



Visioneer®
Strobe XP 450 Scanner
User's Guide



visioneer



for Windows

Visioneer Strobe XP 450 Scanner User's Guide

FOR WINDOWS

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Welcome

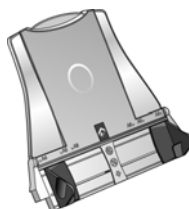
Your new Visioneer Strobe XP 450 scanner can quickly scan a stack of documents, and place their images on your computer.

WHAT'S IN THE BOX

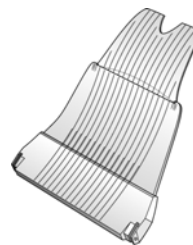
Before proceeding, check the contents of the box. If items are missing or damaged, contact the dealer where you purchased the scanner.



Strobe XP 450 Scanner



Input Tray



Output Tray



Power Supply



USB Cable



Power Cord



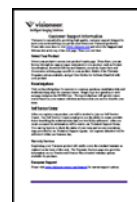
Replacement
ADF Pad



Installation Disc

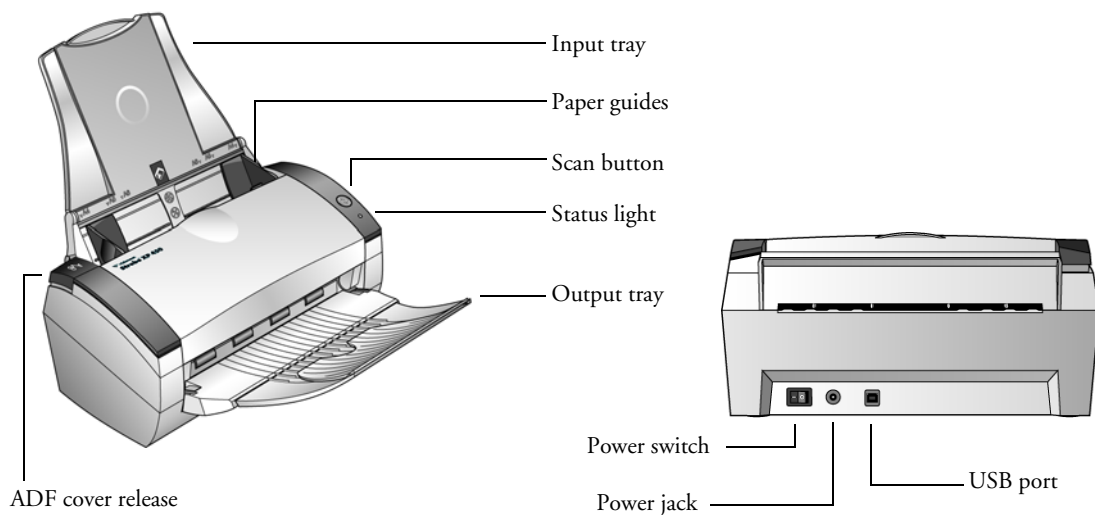


Quick Install Guide



Technical
Support Card

THE VISIONEER STROBE XP 450 SCANNER



Input tray—Holds documents in the scanner.

Paper guides—Adjusts to fit the document width.

Scan button—Press to start scanning.

Status light—Shows the scanner's status. Refer to "Status Light Troubleshooting Codes" on page 82 for additional details.

Output tray—Holds documents after being fed through the scanner.

ADF cover release—Opens the cover on the ADF.

Power switch—Turns the scanner power on or off.

Power jack—Connects the power cord to the scanner.

Universal Serial Bus (USB) port—Connects the scanner to the computer.

WHAT YOU NEED

IBM-compatible Pentium 4 PC, or AMD equivalent with:

- A CD-ROM drive
- An available Universal Serial Bus (USB) port
- Microsoft® Windows® operating system: Windows 2000 (Service Pack 4), 32-bit Windows XP (Service Pack 2), 32-bit or 64-bit Windows Vista

The scanner is compatible with Service Pack 3 for Windows XP and Service Pack 1 for Windows Vista.

- *Windows 2000 and XP*: Minimum of 512 megabytes (MB) of internal memory (RAM)

Windows Vista: Minimum of 1 gigabyte (GB) of internal memory (RAM)

- 350 MB minimum of free hard disk space

A VGA or SVGA Monitor

The recommended settings for your monitor are:

- Color quality of 16-bit or 32-bit
- Resolution set to at least 800 x 600 pixels

Refer to your Windows documentation for instructions on setting the color quality and resolution for the monitor.

DOCUMENTATION

The following documentation is provided with your scanner:

- Quick Install Guide—Abbreviated installation instructions.
- Visioneer Strobe XP 450 Scanner User's Guide—On the Installation Disc; contains detailed installation, scanning, configuration, and maintenance information.
- Visioneer OneTouch MiniGuides—On the Installation Disc; contains detailed instructions on using the OneTouch VRS features and the SharePoint destination link.
- Readme—On the Installation Disc; contains the latest information about your scanner and software installation.
- Nuance PaperPort® User's Guide—On the Installation Disc; contains detailed feature and configuration information for the PaperPort software.
- EMC QuickScan™ User's Guide—On the Installation Disc; contains detailed feature information and instructions for using the QuickScan software provided with your scanner.
- Online Help—For the scanner configuration, TWAIN and WIA interfaces, and PaperPort software application.

Installation

Installation is a quick, four-step process:

1. Assemble the scanner
2. Install the software
3. Connect the scanner
4. Register the scanner

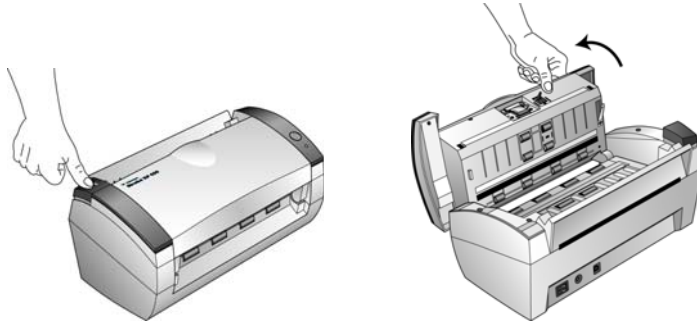
BEFORE YOU BEGIN

Please make sure of the following before you begin installation:

- **The information in this guide may cover software not provided with the scanner you purchased. Disregard any information about the software not applicable to your scanner. Please visit our web site at www.visioneer.com for the latest software updates for your Visioneer Strobe XP 450 scanner.**
- **If your computer has AntiVirus or AntiSpyware software running, you may see messages during installation asking you to allow the installation to proceed. The messages will differ based on the software your computer is running, but in each case allow the installation to proceed. Alternatively, you can turn off the AntiVirus or AntiSpyware software before installing your scanner. But if you do, make sure to turn it back on again when installation is finished.**
- **If you already have a Visioneer or Xerox desktop scanner, you may need to remove its driver programs first before beginning the installation of your Visioneer Strobe XP 450 scanner. Please see the User's Guide, that you received with your other scanner, for specific instructions.**
- **If your computer is running Windows Vista, you may see the Vista User Account Control screen asking you to confirm system changes. Click the Continue button to allow the installation to proceed.**

STEP 1: ASSEMBLE THE SCANNER

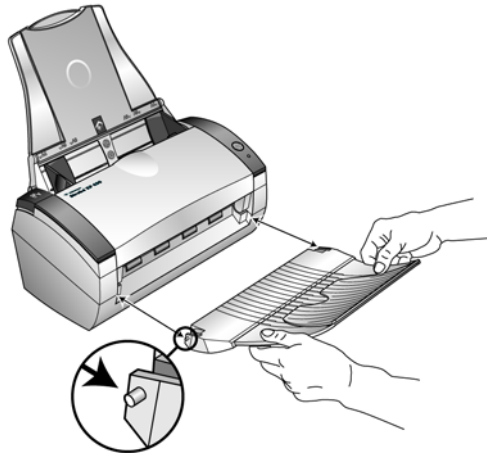
1. Remove all shipping tape from the top and bottom of the scanner.
2. Carefully remove the protective foam from the ADF cover release, then press the release and open the Automatic Document Feeder cover.



3. Remove any foam particles that may have gotten inside the document feeder, and close the cover.
4. Align the slots on the input tray with the ridges on the scanner and slide it down until it snaps into place.



5. Insert the pins on each side of the output tray into the holes on the front of the scanner.



STEP 2: INSTALL THE SOFTWARE

To install the software:

1. Start Microsoft Windows and make sure no other applications are running.
2. Insert the Installation Disc into your computer's CD-ROM drive.



The Installation menu automatically opens.

Note: If the disc does not start, check the following:

- Make sure the disc drive's door is completely shut.
- Make sure the disc was inserted in the drive in the proper direction (label side up).

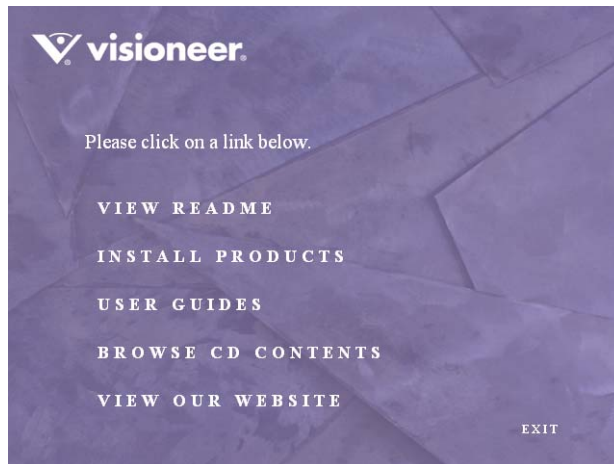
To launch the disc manually:

- Open the Windows option for your computer's disk drives.
- Double-click the icon for your CD-ROM drive.
- The Installation menu for the disc should now open.

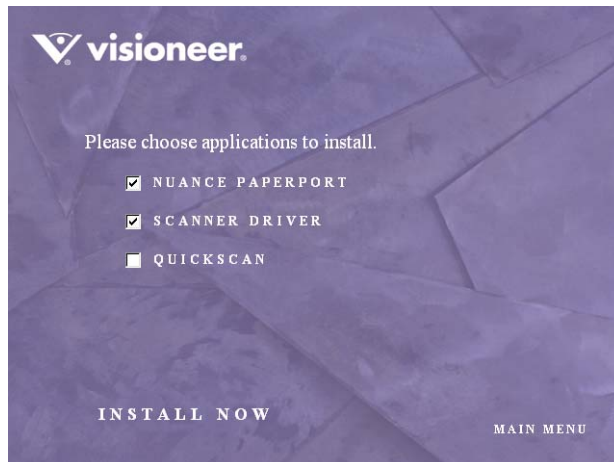
If the menu does not open:

- From the list of files on the disc, double-click the file named START32.EXE.
-

3. On the Main Menu, select **Install Products**.



4. Make sure the boxes for **Nuance PaperPort®** and **Scanner Driver** are checked.



5. Click **Install Now**.

THE PAPERPORT INSTALLATION BEGINS

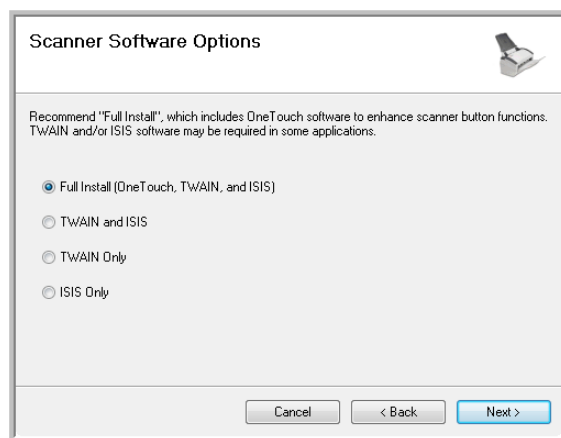
1. On the PaperPort Welcome window, click **Next**.
Installing PaperPort will uninstall any existing version of PaperPort and will install the newer version. Your existing PaperPort files will not be affected.
2. Read the PaperPort license agreement and select **I accept the terms in this agreement**, then click on **Next**. If you choose not to accept the license agreement, the installation will terminate and the PaperPort software will not be installed.
3. In the Customer Information window, accept the current values or enter new information, then click **Next**.
4. On the Setup Type window, keep the default Setup Type and click **Next**.
5. Click **Install** to begin the installation.
6. On the Product Registration window, do one of the following:
 - Select **Register online**, click **OK**, then follow the registration instructions.
 - Select **Print registration form**, click **OK**, then follow the instructions to complete and print the registration form.
 - Select **Remind me in 7 days** and click **OK**.
7. At the InstallShield Wizard Completed window, click **Finish**.
If a message window opens instructing you to restart your computer, do not restart at this time. Finish installing the rest of the software, then close all open windows and restart the computer.

THE SCANNER DRIVER INSTALLATION WILL NOW BEGIN

1. The Welcome to the OneTouch 4.0 Setup Wizard opens. Click **Next**.



2. On the Visioneer License Agreement window, read the license agreement. If you accept the terms, select **I Agree**, and click **Next**.
If you choose not to accept the license agreement, the installation will terminate and the scanner driver will not be installed.
3. The next window lists the choices of the drivers that you can install for your scanner.

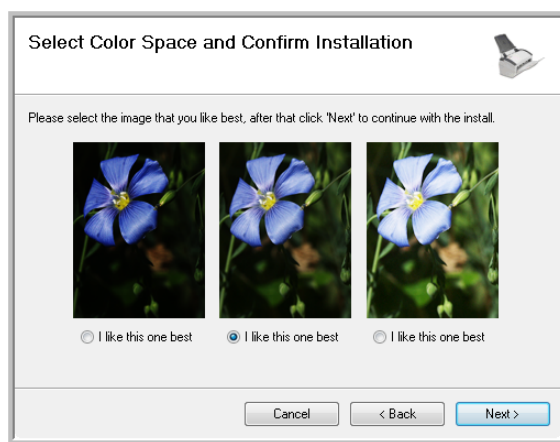


4. Select the option you want. Click **Next**.

Note: If your computer is running Windows XP or Windows Vista, Microsoft's Windows Image Acquisition (WIA) interface for scanning is always available, regardless of your selection on this window.

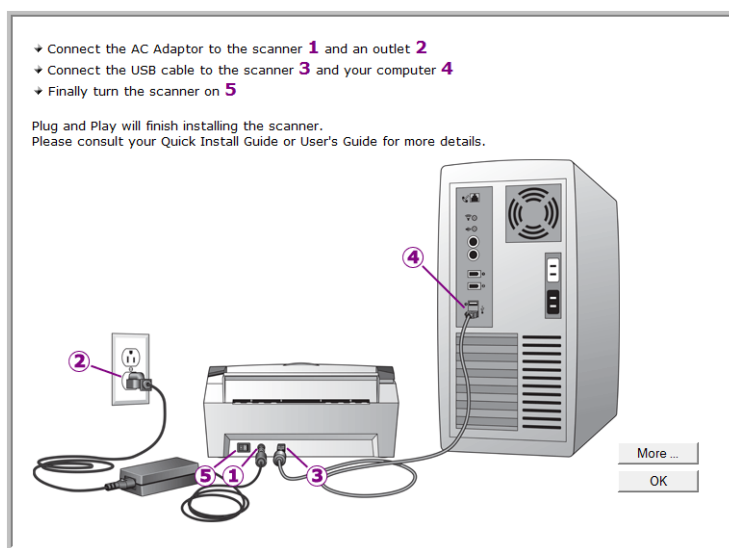
- **Full Install (OneTouch, TWAIN and ISIS)**—This is the recommended installation. It installs the OneTouch 4.0 software, which provides the necessary driver software for the scanner's button to work. It also installs scanning interfaces for the TWAIN and ISIS drivers.
- **TWAIN and ISIS**—The TWAIN and ISIS drivers are installed. You can use the Visioneer Strobe XP 450 TWAIN driver to scan from applications with a TWAIN interface. You can also scan from applications that use the ISIS driver. OneTouch is not installed and you will not be able to scan using the button on the scanner.
- **TWAIN only**—The TWAIN driver is installed without the OneTouch 4.0 software or the ISIS driver. You can use the Visioneer Strobe XP 450 TWAIN driver to scan from TWAIN applications. You will not be able to scan with the button on the scanner.
- **ISIS only**—The ISIS driver is installed without the OneTouch 4.0 software or the TWAIN driver. You can use the Visioneer Strobe XP 450 ISIS driver to scan from ISIS applications. You will not be able to scan with the button on the scanner.

5. During installation you will see this window asking you to select one of the images for your Color Space setting. Select the option that looks best to you then click on **Next**.



The selection in this window sets the default gamma value for OneTouch. You can change this setting later on.

6. **STOP** when you see the “Complete the installation by connecting your hardware” window. Do **NOT** click **OK** yet. Leave the window open and proceed to the next section.



STEP 3: CONNECT THE SCANNER

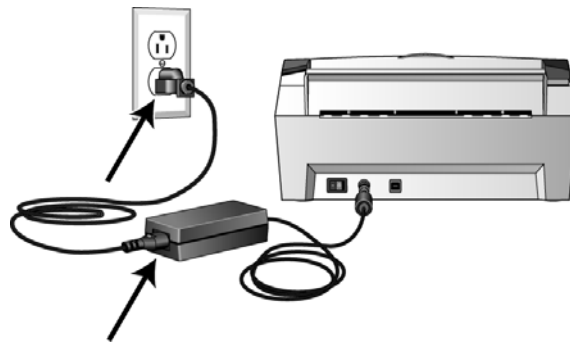
To connect the power supply:

1. Plug the power supply into the power port on the scanner.



Note: Only use the power supply (HEG42-240200-7L made by HiTron) included with your scanner. Connecting any other type of power supply may damage your scanner, and will void its warranty.

2. Plug the power cord into the power supply and into a wall outlet.



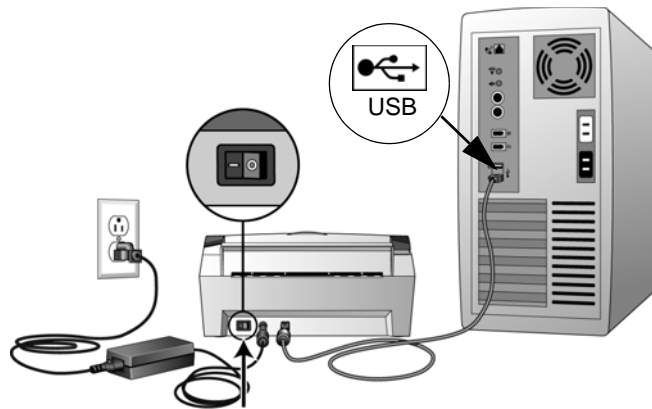
To connect the USB cable:

The Visioneer Strobe XP 450 scanner connects to any available USB port. Check your computer's manual for USB port locations.

1. Remove any protective tape from the USB cable.
2. Plug the USB cable into the USB port on the scanner then into a USB port on the computer.

If the plug does not attach easily, make sure that you are plugging it in correctly. Do not force the plug into the connection.

3. Turn on the power switch, located on the back of the scanner to the left of the power port.

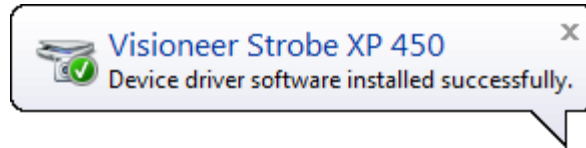


The status light comes on and flashes indicating that the scanner is receiving power.

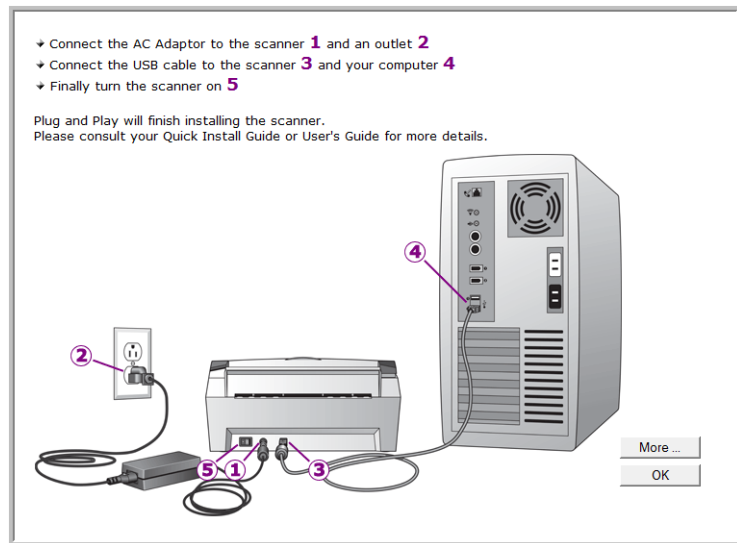
If you are using Windows XP or Windows Vista, and have plugged the USB cable into a USB 1.1 port, an information bubble may open explaining that “A HI-SPEED USB device is plugged into a non-HI-SPEED USB hub”. Plug the USB cable into a USB 2.0 port (if available) or just disregard the message. If you leave it plugged into the USB 1.1 port, your scanner may scan a bit slower.

Your computer then recognizes that a scanner has been plugged into the USB port and automatically loads the appropriate software to run the scanner.

If your computer is running Windows XP or Windows Vista, you will see a found new hardware message similar to the following.



4. When you're certain that the software has completely loaded, return to the "Complete the installation by connecting your hardware" window.



5. Click **OK**.

You can also click **More** to see a quick overview about accessing and navigating OneTouch. When you're finished reading the additional information, click **OK**.

6. Click **Close** on the Installation Complete window to close and exit the driver installer.

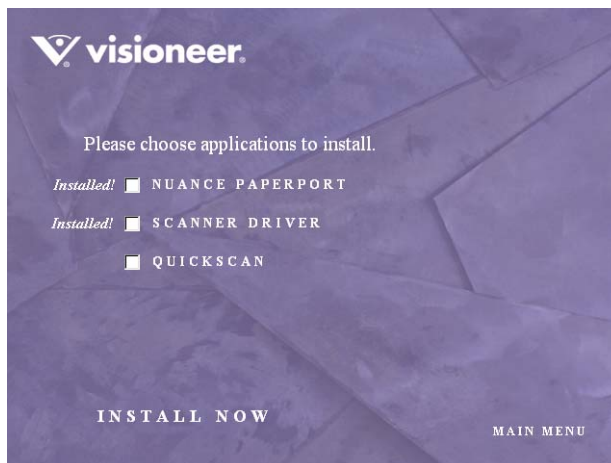
You can now install the additional software applications you received with your scanner.

ADDITIONAL APPLICATIONS AVAILABLE WITH YOUR SCANNER

Your scanner includes free, additional applications.

To install the additional applications:

1. Return to the disc's main menu and click on **Install Products**.
Software that is already installed will have *Installed!* next to them.



2. Select the additional applications you want to install, then click **Install Now**. Follow the instructions on the screen to install each of the additional products.

See the table on the following page to decide which software you would like to install.

Software	About the Software
Adobe® Reader®	<p>Adobe Reader is a stand-alone application that you use to open, view, search, and print Adobe PDF® files. The User Guides on your scanner's Installation Disc are in PDF format and require Adobe® Acrobat® or Adobe® Reader® for you to view and save them.</p> <p>The Adobe Reader application is available in the User's Guide section on the scanner's Installation Disc. Click on Main Menu then select User Guides.</p>
QuickScan™	<p>A desktop imaging solution for scanning, image enhancement, and OCR, QuickScan is a standalone, out-of-the-box imaging solution that provides all the necessary capabilities for high-speed scanning, image enhancement, viewing, annotation, printing, and storing images. It uses an ISIS-certified driver for scanning, and includes flexible job separation and barcode recognition.</p> <p>The Demo version lets you try the application first. You can use this software as an additional method to scan.</p>

VIEW AND SAVE THE USER GUIDES

1. On the disc Main Menu click **User Guides**.
2. The Visioneer User Guides window opens. Use this window to view and save the User Guides.



The User Guides are in the Adobe® PDF format. The Scanner Readme file is in HTML format and will open in any standard browser.

If you need to, click **Adobe Reader** to install it now. Follow the instructions on the installation windows.

If your computer already has Adobe Reader installed, please do not install Adobe Reader unless the version provided on the installation disc is a newer version than the one currently installed on your computer.

3. Click the name of a User Guide you want to view and it will open in Adobe Reader. Use the Adobe **Save** command to save that User Guide on your computer.

4. Return to the Visioneer User Guides window and repeat the process to open, view, and save all the other User Guides you want. **The Scanner Readme file has late-breaking news about your scanner.**

The SharePoint Mini-Guide has information about a feature in the OneTouch 4.0 software to link to Microsoft's SharePoint application. This brief Mini-Guide explains how to setup the SharePoint link and use the SharePoint features when choosing new scan settings for your scanner.

The OneTouch VRS Mini-Guide has information about a feature in the OneTouch 4.0 software to use VRS settings when scanning. This brief Mini-Guide explains what the feature is and how to use the VRS settings when creating or modifying a Scan Configuration.

5. When you're finished, click **Main Menu** to return to the main Visioneer Installation window and click **Exit**.
6. Remove the disc and store it in a safe place.

That's it! Installation is finished and your Visioneer scanner is ready to scan.

STEP 4: REGISTER THE SCANNER

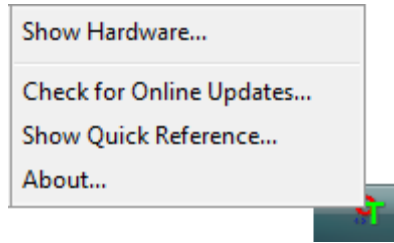
Registering your scanner is important as it provides you with access to our free telephone support service. Registration also gives you free access to software updates for your scanner.

To register your scanner:

The OneTouch Icon



1. Right-click on the OneTouch icon in the Windows Notification Area (at the bottom right corner of the screen).
2. Choose **Check for Online Updates** from the pop-up menu.



3. Follow the instructions on the screen and register your scanner by entering your scanner's serial number and your email address.

Note: A valid email address is required.

The serial number is located on the underside of the scanner.

The Serial Number



After registration is complete you will receive an email message with your RegID.

4. After receiving your RegID, write it down on a piece of paper and keep it with your scanner so you will be able to find it easily.

SCANNING INTERFACES

You have several different scanning options with your Visioneer Strobe XP 450 scanner. Each method scans equally well, so use the one with appropriate options for the item you are scanning.



- **OneTouch Scanner Button**—When you press the Scan button, documents are scanned using the scan settings specified in OneTouch. The scanned images are then sent to a software application or location on your computer. See “Scanning from OneTouch” on page 23.



- **OneTouch Button Panel**—Use this scan option when you want to scan from the computer screen. Scanning from the on-screen OneTouch Button Panel is the same as pressing the scanner button, except you click an icon that represents the scanner button. See “Scan from the OneTouch Button Panel” on page 25.



- **TWAIN Interface**—This option uses your scanner's TWAIN interface to scan. The TWAIN interface is available from the PaperPort software that you received with your scanner, as well as from other programs such as Microsoft Word. See “Scanning with the TWAIN Interface” on page 71.



- **Windows Image Acquisition (WIA)**—If your computer is running Windows XP or Windows Vista, you can use this option to scan with the Microsoft WIA interface. See “Scanning from WIA” on page 75.
- **ISIS Interface**—This option uses the ISIS interface for scanning. Select the ISIS scan settings, put the document in the scanner, then click a button on the ISIS window. See “Scanning with the ISIS Interface” on page 84.

Scanning from OneTouch

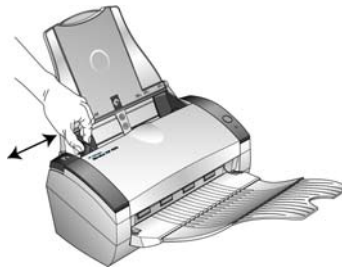
With powerful features such as scanning with VRS at the touch of a button, OneTouch is the main interface for using the scanner and accessing these features.

LOADING DOCUMENTS



Note: Always remove any staples or paper clips from documents before inserting them into the scanner's Automatic Document Feeder. Staples and paper clips can jam the feed mechanism and scratch the internal components. Also remove any labels, stickers, or Post-It™ notes that may come off during the scanning process and get stuck in the scanner. Misuse as described here will void your scanner's warranty.

1. Adjust the paper guide for the width of the paper, and make sure the output tray is fully extended.

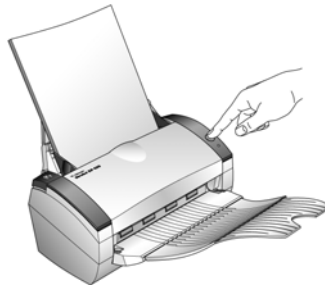


2. Load the documents into the scanner *face down* with the tops of the page inserted into the Automatic Document Feeder.

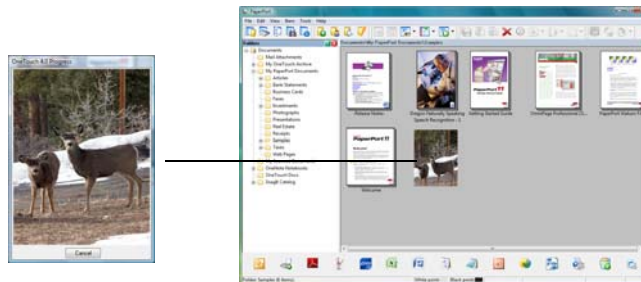


SCAN WITH THE SCANNER BUTTON

1. Press the button on the scanner.

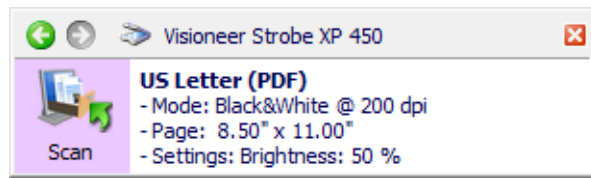


2. A scan progress window opens and the images are sent to the selected location in the OneTouch properties. In this example the Destination Application is the PaperPort desktop.



SCAN FROM THE ONETOUCH BUTTON PANEL

1. Adjust the paper guide for the paper width. Load the documents *face down* with their tops into the Automatic Document Feeder.
2. Now click on the OneTouch icon in the Windows Notification Area (at the bottom right corner of the screen).
3. On the screen click the **Scan** button.



4. The scanner begins scanning. When the process finishes, the scanned images are sent to the Destination Application specified in OneTouch, just as if you pressed the button on the scanner.

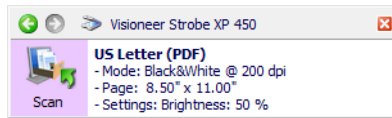
FEATURES OF THE ONETOUCH BUTTON PANEL

From the panel, you can access the hardware settings for your scanner and configure the scanner button.

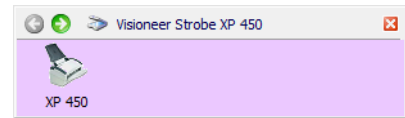
The OneTouch Icon.



Click on the OneTouch icon to open the panel.



The Button View.



The Hardware View.

The Title Bar

- Green arrows—click to cycle through the panel's 2 views.
- Scanner icon—click to open the scanner's hardware properties.
- Red "x"—click to close the OneTouch panel.

The Button View

- *Left-click* on a Destination Application icon to start scanning.
- *Right-click* on a Destination Application icon to open the OneTouch Properties.
- *Single-left-click* on the detailed information to open the OneTouch Properties.

The Hardware View

- *Left-click* on the scanner icon to return to the Button view.
- *Right-click* on the scanner icon to open the scanner's hardware properties.

CONFIGURING ONE TOUCH

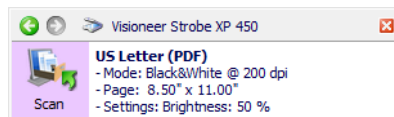
When you installed OneTouch, the software was configured with the applications on your computer that you can scan to. The OneTouch button configuration consists of a **Destination Application**, a **Scan Configuration**, and a **File Format**. The OneTouch Properties window is where you select these three elements.

To open the OneTouch Properties window:

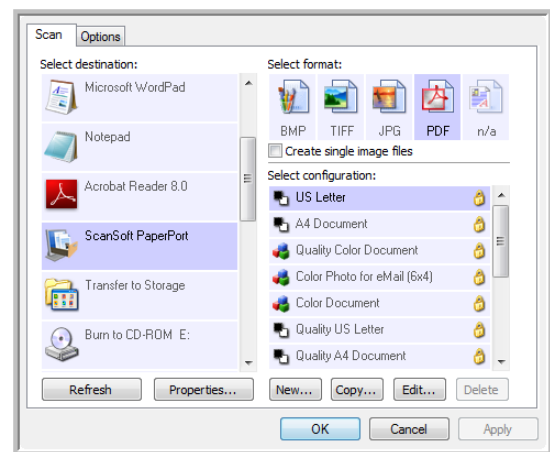
There are two methods that you can use to open the OneTouch Properties.



- Left-click on the OneTouch icon, in the Windows Notification Area, then right-click on the Scan button. Or, left-click on the detailed information.
- Press, *hold down for at least 3 seconds*, then release the scanner button.



Right-click on the Scan button, Left-click on the detailed information, or press hold-down and release the scanner button.



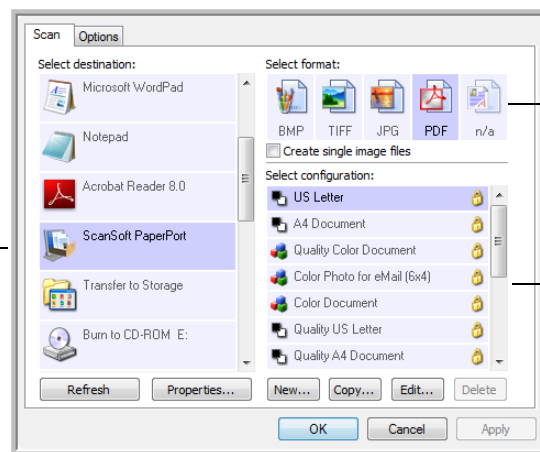
Note: Some of the options on the OneTouch Properties window (and other scanner windows and dialog boxes) are “grayed out” and are not available. Grayed out options are not appropriate for your Visioneer Strobe XP 450 scanner.

Changing the button settings:

1. Click on an application name in the Select Destination list.
2. Select a file format in the Select Format panel.
3. Select a scanning configuration in the Select Configuration list.
4. Click on OK to save the changes and close the window.
5. Place a page in the scanner.
6. Press the scanner button, or click on the Destination Application icon on the OneTouch Panel.
7. The scanner starts scanning and sends the image to the Destination Application or location, with the File Format and Scan Configuration, you specified.

ONETOUCH PROPERTIES OPTIONS

Select a Destination Application to send the scanned documents to.



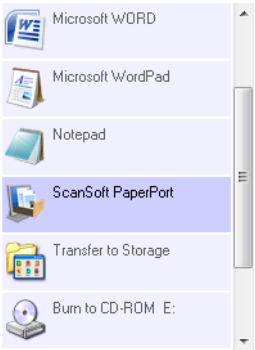
Select a File Format for the scanned documents.

Select a Scan Configuration for scanning the item.

The settings on the OneTouch Properties window are:

Select Destination—The list of destinations that OneTouch can send a scanned image to.

Select the destination you want OneTouch to send the scanned image to.



Note: If you select a word processing program, such as Microsoft WordPad or Microsoft Word, that can be used for editing text, the text in the scanned image is automatically converted to word processing text.

Select Configuration—The list of available Scan Configurations for the selected button. The configuration's basic settings include: scanning mode, resolution (dpi), page size, brightness (Br), and contrast (Cr). To see a selected Scan Configuration's settings, click its icon. Click the icon again to close the detailed information.

Click the icon of a selected configuration to view its settings.



These icons next to each Scan Configuration indicate the scanning mode.



Color



Black and White



Grayscale

Configure
Before Scan

Use Configure Before Scan to set the scanning mode manually before scanning. See “Configure Before Scan” on page 39.

Select Format—A set of file formats for the scanned image. The formats are based on the type of destination you select. This example shows the formats that apply to Microsoft Outlook and Transfer to Storage.



OTHER OPTIONS IN THE ONETOUCH PROPERTIES WINDOW

Options tab—Displays a window for selecting OneTouch Properties options. See “Selecting OneTouch Properties Options” on page 55.

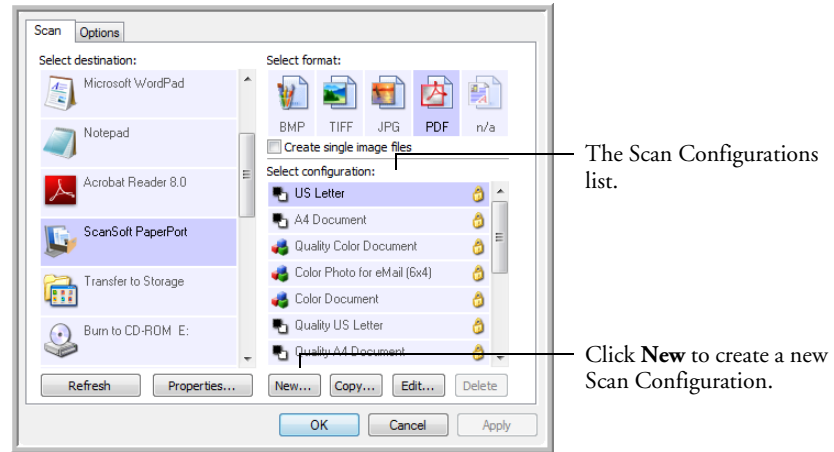
Properties button—Displays a window for selecting properties for each type of Destination Application. See “Setting Destination Application Properties” on page 47.

Refresh button—If you install new applications on your computer, and they do not appear in the **Select Destination** list, click the **Refresh** button.

New/Copy/Edit/Delete buttons—Click **New** or **Copy** to add new scan configurations to the list. Click **Edit** or **Delete** to change or remove them. See the sections “Creating a New Scan Configuration” on page 31 and “Editing or Deleting Scan Configurations” on page 38.

CREATING A NEW SCAN CONFIGURATION

The Scan Configurations are where you select the scanning resolution, brightness, mode (color, black&white, or grayscale), and a number of other settings.



To create a new configuration:

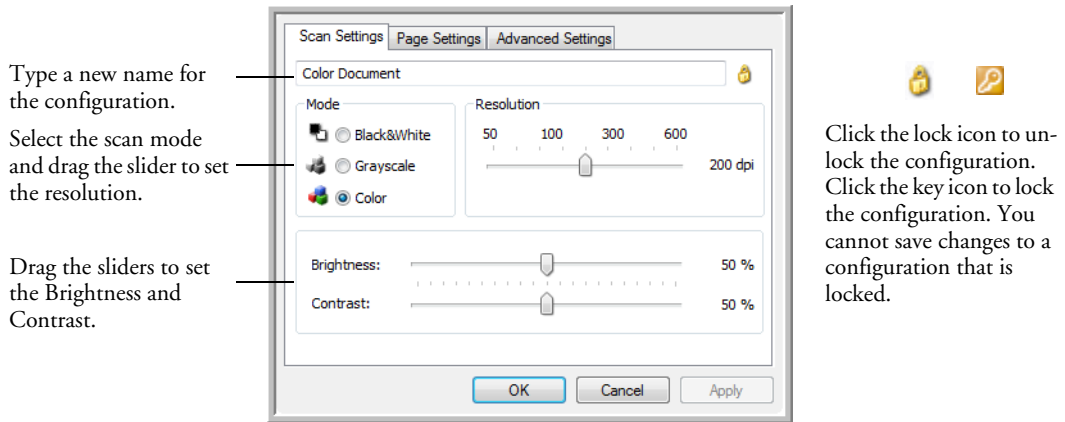
1. Open the OneTouch Properties window.
2. Scroll through the applications in the Select Destination list and click the type of application for which you want to create a new Scan Configuration.
3. Click the **New** button.

If you want to start from the settings of another configuration, select the configuration, then click the **Copy** button.

4. Click on **OK** at any time to save the configuration and close the Scan Configuration Properties window. Or, click **Cancel** to cancel creating or modifying the configuration.

There are 3 settings tabs in each configuration for choosing the scanning mode, page size and color intensity. Depending on the selected Destination Application, additional settings tabs will activate for you to make changes specific to the current destination. For example, scanning to a printer will activate a Device Settings tab for you to set your printer properties.

THE SCAN SETTINGS TAB



On the Scan Configuration Properties dialog box, type a name for the new configuration.

Mode—Select a scanning mode:

- **Black&White** to scan in black and white. For example, letters and memos are usually scanned in black and white.
- **Grayscale** to scan items such as documents containing drawings or black and white photographs.
- **Color** to scan color photographs and other color items.

Resolution—Drag the slider to the right or left to adjust the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

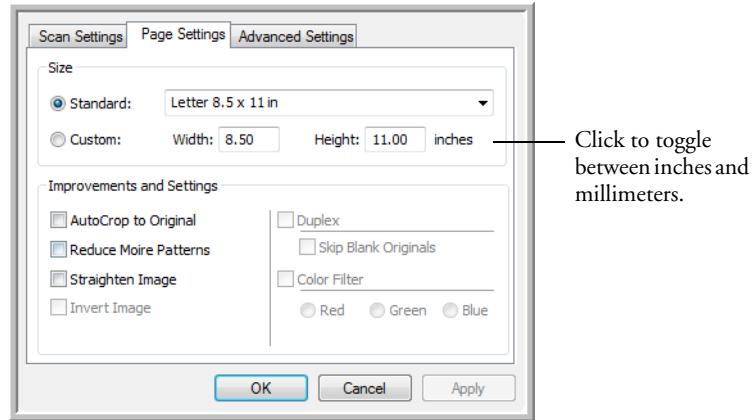
Brightness—Drag the slider to the right or left to adjust the brightness level. Brightness refers to the lightness or darkness of the image.

Contrast—Drag the slider to the right or left to adjust the contrast level. Contrast is the range between the darkest and lightest portions of the image. The greater the contrast, the more difference between the lighter and darker shades in the image.

If you want to lock the configuration, click the key icon to change it from a Key to a Lock.

THE PAGE SETTINGS TAB

Click the Page Settings tab to select options applicable to how you want the image to appear after scanning.



Size—Size is the page dimensions of the documents being scanned.

- **Standard**—click the menu arrow and choose a page size from the list.
- **Custom**—enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters.

Improvements and Settings—Only the options that apply to the selected scanning mode on the Scan Settings tab are available.

- **AutoCrop to Original**—Select this option to let the scanner automatically determine the size of the item being scanned. Always make sure the paper guides are against the edge of the paper in the input tray. This helps to prevent the paper from being fed through at an angle (skewed). Skewed pages may not crop properly.
- **Reduce Moiré Patterns**—Moiré patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moiré Patterns** will limit or eliminate moiré patterns in the scanned image. This option is only available for the Grayscale or Color Mode at lower resolution settings.

- **Straighten Image**—Select this option to let the scanner automatically determine if a page is skewed, then straighten its image. The input tray paper guides should be flush to the edges of the paper to prevent paper feeding in at too great of an angle.
- **Invert Image**—Only available for Black&White scanning, this option reverses the black and whites of an image.

Original Image.

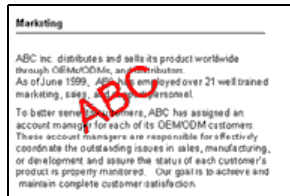


Inverted Image.

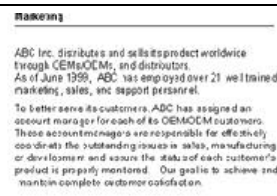


- **Color Filter**—Color filter is the ability of your scanner to automatically remove a color from a scanned item. Color filter applies to Black&White or Grayscale scanning modes.

The original with a red watermark over black text.

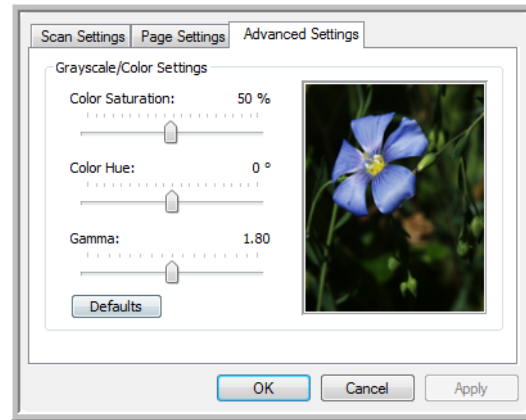


The scanned item with the red filtered out.



THE ADVANCED SETTINGS TAB

The options of the Advanced Settings tab are for the Color or Grayscale scanning mode.

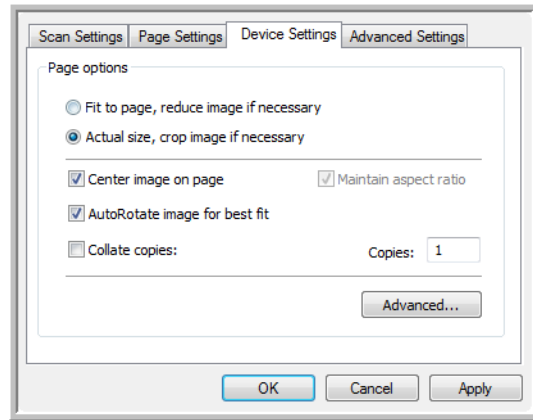


Drag the sliders to the left and right to change the color settings. As you do, the image changes to show the effects of the new settings.

- **Color Saturation**—the strength or purity of a color.
- **Hue**—the color your eyes see as reflected from the image.
- **Gamma**—the brightness of the midtone colors.

THE DEVICE SETTINGS TAB

A Device Settings tab is on the Scan Configurations dialog box when your selected Destination Application is a printer or fax application.



Fit to page, reduce image if necessary—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be reduced to fit the page.

Actual size, crop image if necessary—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be cropped around its edges to fit on the page.

Center image on page—The image will be printed in the center of the page instead of at the top left corner.

Maintain aspect ratio—The aspect ratio is the length-to-width relationship of the image's dimensions. Select this option so the image's relative proportions remain constant.

AutoRotate image for best fit—If the image is a Landscape format and the device is printing in the Portrait mode, or vice versa, rotate the image to fit on the page.

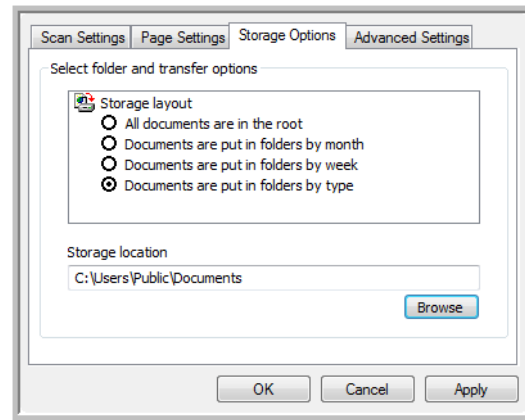
Collate copies—If you are printing more than one page, collate the copies. Enter the number of copies in the **Copies** box.

Advanced—Click to see additional settings for the device. This dialog window is specific to the selected device, refer to that device's user documentation for instructions.

THE STORAGE OPTIONS TAB (ARCHIVE)

A Storage Options tab is on the Scan Configurations dialog box when the selected Destination Application is Transfer to Storage. See “Transferring Scanned Documents to Storage” on page 61 for instructions on using the Transfer to Storage destination.

1. Click the **Storage Options** tab.



2. Click the Storage Layout options you want.

All documents are in the root—The scanned documents are saved in the root of the folder specified in the Storage Location.

Documents are put into folders by month, week, or type—Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders.

By default, the location of the archived documents is in your Windows user directory **My Documents** folder under **My OneTouch Archive**. The files are saved to a folder based on your selection for the Storage Layout. For example, if the file type is TIFF, and you select **Documents are put into folders by type**, the default location of scanned archive documents is at **My Documents\My OneTouch Archive\TIFF Documents**.

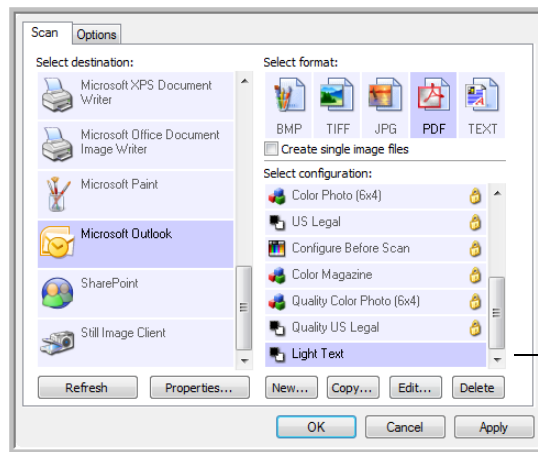
3. If you want to store your archive documents in some other location, click the **Browse** button to specify the new location.
4. Click **OK** or **Apply**.

EDITING OR DELETING SCAN CONFIGURATIONS

Note: Your scanner comes with a number of configurations pre-set at the factory. We recommend that you keep those configurations locked and do not edit or delete them. That way, you will always have the factory-settings available. If you do edit or delete them, and want to get the factory pre-sets back again, you will need to uninstall then re-install your scanner driver.

To edit or delete a Scan Configuration:

1. Open the OneTouch Properties window.
2. Select the Scan Configuration you want to edit or delete.



Select the scan configuration to edit or delete. It must be unlocked, as indicated by not having a lock displayed here.

3. To delete the configuration, click the **Delete** button.
4. To edit the configuration, click the **Edit** button.

You can make changes to a configuration, but for the changes to be saved, the configuration must first be unlocked.

Click the lock icon to unlock the configuration. Clicking it toggles between locking and unlocking the configuration. The key icon indicates the configuration is unlocked.

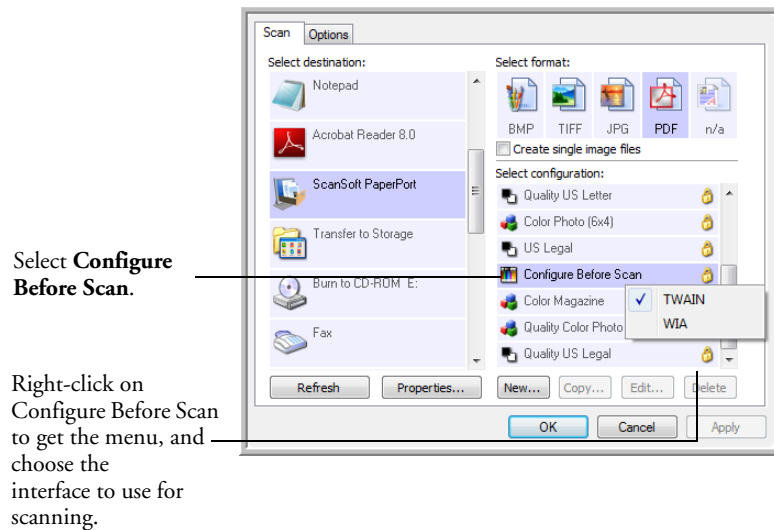
5. Edit the settings and click **OK**.

CONFIGURE BEFORE SCAN

Choosing Configure Before Scan simply opens either the TWAIN or WIA scanning interface when you press or click the button. You can then use the interface to change the color mode, resolution, and other settings. When you scan, the scanned image will still be sent as the File Format and to the same Destination Application already selected in the OneTouch Properties window for the button.

TO SET CONFIGURE BEFORE SCAN

1. Open the OneTouch Properties window.
2. Select the Scan Configuration **Configure Before Scan**.



3. Right-click on **Configure Before Scan** and choose an interface to use for configuring before scanning.

TWAIN—The TWAIN Interface opens for you to make changes prior to scanning. Please see “Scanning from TWAIN” on page 69 for detailed instructions about scanning with the TWAIN Interface.

WIA—The Windows Image Acquisition (WIA) Interface opens for you to make changes prior to scanning. Please see “Scanning from WIA” on page 75 for detailed instructions about scanning with the WIA Interface.

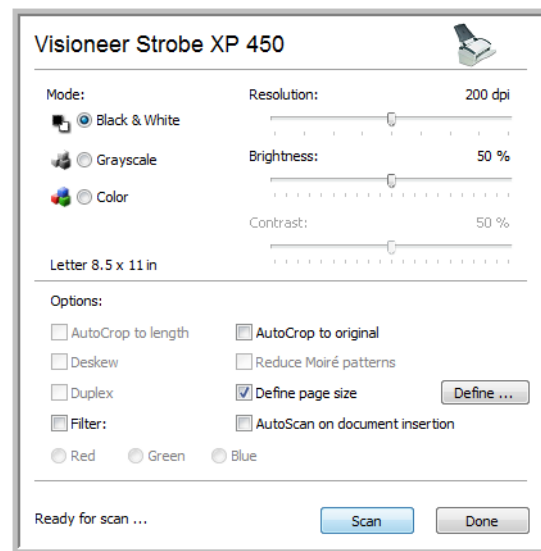
4. Select the Destination Application and File Format.

5. Click **OK** on the OneTouch Properties window.

TO SCAN USING CONFIGURE BEFORE SCAN

1. Load the documents *face down* with their tops into the scanner.
2. Press the scanner button or click the Scan button on the OneTouch Panel.

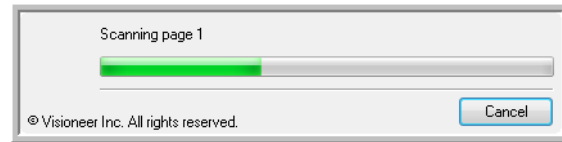
The TWAIN or WIA interface will open. This example shows the TWAIN Interface.



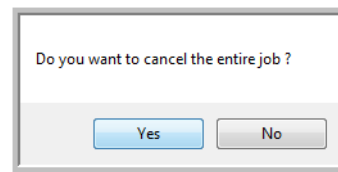
3. Choose the scan settings, such as Black & White, Grayscale, or Color, Resolution, Brightness and Contrast.
4. Click the **Scan** button on the TWAIN Interface.
5. The scanner starts scanning. When finished, click the **Done** button and the images will be sent to the destination specified in the OneTouch Properties window.

CANCELING A CONFIGURE BEFORE SCAN

1. Click **Cancel** in the scanning progress window.



2. The following window will open asking if you want to cancel the entire job.



- **Yes**—Scanning stops and all pages scanned in this batch, up to this point, will be deleted. The TWAIN interface will close and you can restart your scan from the beginning.

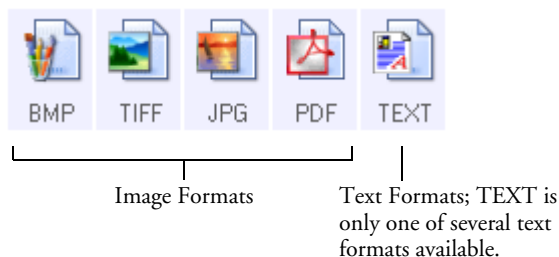
For instance, the scan Mode is Black & White but you want to scan your documents in color. Choose **Yes** to delete any scanned pages, then start over the correct scan Mode selected.

- **No**—Scanning stops and the TWAIN interface remains open. You can place a new set of pages into the ADF, adjust the TWAIN settings for them, then click the **Scan** button in the TWAIN interface to continue scanning. At the end of the scanning batch, all pages from the first portion of the scan and second will be sent to the Destination Application.

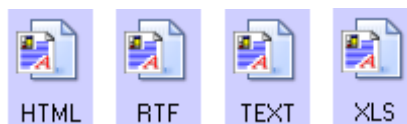
Choose this option if, for instance, you have been scanning in Black & White but want to scan the remaining pages in color. You stop the current scan, change the scan Mode to Color, then restart the scanning without losing the pages already scanned.

SELECTING FILE FORMAT OPTIONS

The option that you select determines the File Format of the scanned document. Appropriate File Format options and file types are available for the type of Destination Application selected for the button.



The Text Formats are for text file types and are selectable by right-clicking on the text format icon. The names of the formats indicate their file types.



CREATE SINGLE IMAGE FILES

TIFF, PDF, and the text File Formats support multiple page documents. If you are scanning using one of these formats, and you want one file created for each image scanned, select **Create single image files**. Note that this option is automatically selected and grayed-out if you have selected a format that only supports single pages, such as BMP or JPG.

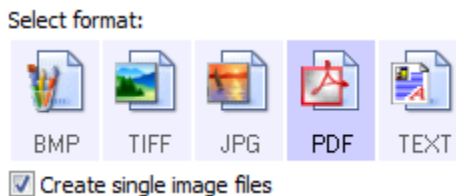


IMAGE FORMATS

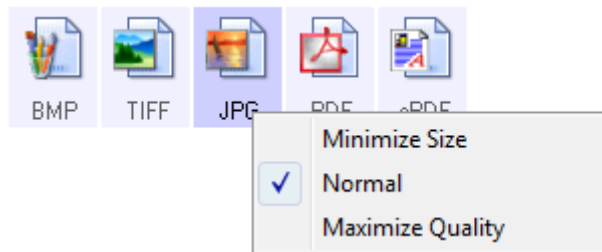
Select an image File Format for photos, artwork or other documents that you want to save as images. BMP and TIFF are standard image file formats generally used if you want to do additional image processing. Both of those file formats tend to be larger than the JPEG format file size.

JPEG files are reduced in size by lowering their image quality, and you can select the degree of quality for your scanned images from the JPEG File Format icon.

The PDF format is often used to create images of text pages. You may want to select PDF as the File Format when scanning text pages that do not require OCR processing or other processing. The PDF format is also used to put multi-page documents on web sites as pdf-readable files. As with the JPEG option, the PDF format can be reduced in size or quality.

To select a JPEG or PDF file size:

1. Select **JPG** or **PDF** as the File Format.
2. Right-click on the **JPG** or **PDF** icon.



3. Choose the image quality option for your scanned images from the option menu.

Minimize Size—Smallest file size, lowest image quality.

Normal—Medium file size, some loss of image quality.

Maximize Quality—Largest file size, very little loss of image quality.

4. Click **OK** or **Apply** on the OneTouch Properties window.

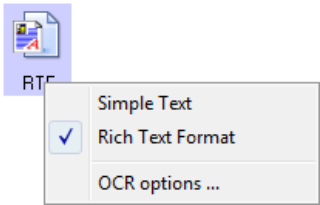
TEXT FORMATS

Selecting the text format option also selects OCR processing as an automatic step for scanning. Therefore, when you scan a document with the text format selected, the text portions of the document are automatically converted to editable text. Text File Formats are only available if an OCR application is installed on your computer. See “Scanning with Optical Character Recognition (OCR)” on page 45.

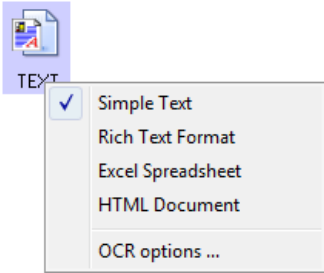
To select a file type for the text format:

- 1. Select a text editing Destination Application.
- 2. Right-click on the text format icon.

Example menu for the TEXT file options when the Destination Application is Microsoft Word.



Example menu for the TEXT file options when the Destination Application is a Storage location.



- 3. Choose the file type that you want for the text format.



TEXT

Simple Text—The .txt file format. Text with no formatting; used by the standard Microsoft Notepad application.



RTF

Rich Text Format—The .rtf file format. Text that retains formatting when converted. Available with Microsoft WordPad and Word.



XLS

Excel Spreadsheet—The .xls file format used by Microsoft Excel.



HTML

HTML Document—The .htm file format used to create web pages.

4. To change the OCR settings, choose **OCR Options**.
5. Click **OK** or **Apply** on the OneTouch Properties window.

SCANNING WITH OPTICAL CHARACTER RECOGNITION (OCR)

Optical Character Recognition (OCR) converts text and numbers on a scanned page into editable text and numbers. You can then work with the text and numbers to edit, spell check, change font or type size, sort, calculate, and so forth.

Note: Visioneer recommends that all OCR processing use the original factory settings for OCR scanning that came with your scanner. When scanning with other settings, use at least 300 dpi for the resolution. If the original documents are of poor quality and have small type font, 400 dpi can be used as the maximum resolution.

The PaperPort software must be installed for the OCR options to be available for the TXT, RTF, XLS and HTML formats.

To scan with OCR:

1. Open the One Touch Properties window.
2. Select a text editing program in the Select Destination list, then select a text File Format in the Select Format panel.

For example, if you want to edit your document in Microsoft's Word, select that application then choose a File Format such as TEXT.

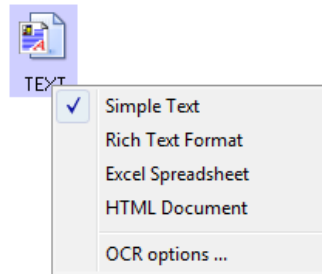
3. Click on OK to save the changes and close the OneTouch Properties window.
4. Place the documents *face down* with the tops pointing into the scanner.
5. Press the scanner button or click the Scan button on the OneTouch button panel.

Your scanned pages appear in the Destination Application with the text ready for editing and other text processing.

Note: OCR scanning is also for spreadsheets so you can work in Microsoft Excel (or other spreadsheet applications) with the figures and text from the original spreadsheets. Set up a button with Microsoft Excel as the Destination Application and XLS as the File Format. When you scan a spreadsheet, it will open in Excel with its text and figures ready to be edited.

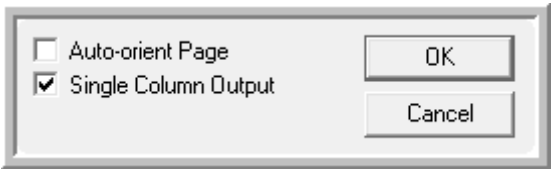
To select OCR settings:

1. Select the Destination Application.
2. Right-click on a text format icon.



3. Choose OCR options.

4. Select the option you want for the OCR conversion of your documents.



Auto orient page—Select this option to check the page orientation and automatically rotate an improperly oriented page image so the text is recognizable by the OCR process.

Single column output—Select this option to produce a single column of text in the Destination Application, even if the original image had multiple columns of text.

5. Click OK.

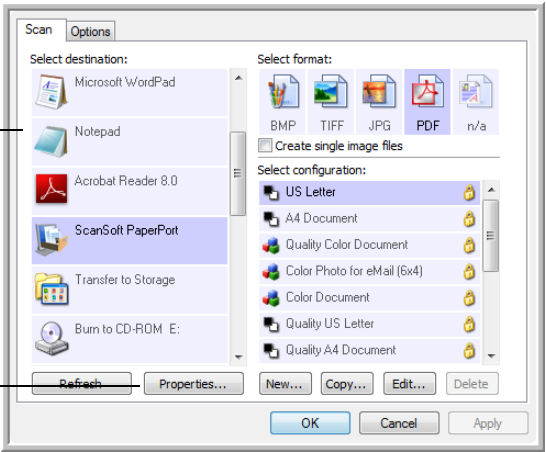
Note that the OCR options apply to all the Destination Applications for which OCR applies. If you change them for one Destination Application, those changes apply to the others as well.

SETTING DESTINATION APPLICATION PROPERTIES

In the OneTouch Properties window, select a Destination Application then click the **Properties** button.

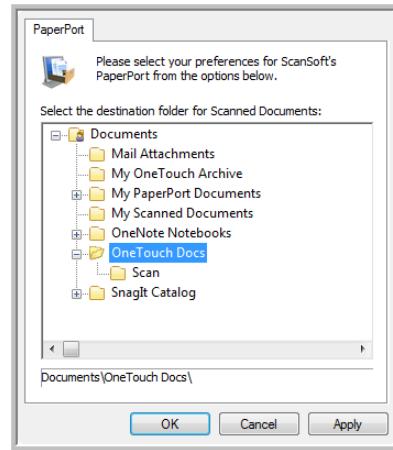
Click a Destination Application.

Click the Properties button.



PaperPort Properties

These properties apply to designating the PaperPort folder to receive your scanned items.

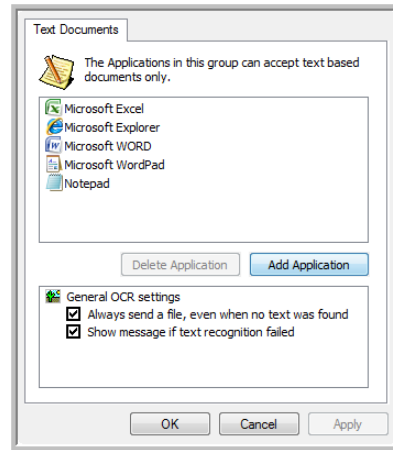


1. Select the folder where you want the file to be located.
2. Click **OK**. Then click **OK** or **Apply** on the OneTouch Properties window.

When PaperPort opens after you finish scanning, the thumbnails of your scanned documents are on the PaperPort Desktop in that folder.

Text Documents Properties

These properties apply to text editing applications such as Microsoft Word. The properties apply to the Optical character Recognition (OCR) settings for these applications.



1. Click in the General OCR settings boxes for the options you want.

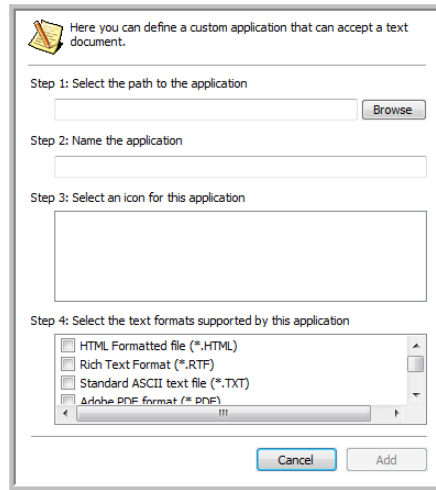
The options will apply to all the applications in the group.

Always send a file, even when no text was found—The scanned file is sent to the OCR reader even if the image does not appear to contain text. This could occur if you scanned a photograph with a OneTouch button set for text applications.

Show message if text recognition failed—A message will open on the screen if the OCR reader does not detect text in the image.

2. To add another application to the list, click the **Add Application** button.

The Add Text Based Link dialog box opens.



3. Click **Browse** to find the application you want to add to the list.

When you select the application using the Browse button, steps 1 and 2 on the dialog box are automatically filled in, and the application icon appears in step 3.

4. Select the icon in Step 3 of the dialog box. That is the icon that will appear in the OneTouch Destination List.
5. In step 4 of the dialog box, select the file formats that the application will accept.

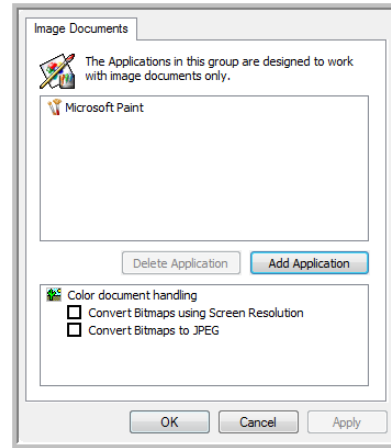
Refer to the documentation that you received with the application to see which text formats the application accepts.

The options you select in step 4 determine the File Format icons in the OneTouch Properties window for that group of applications.

6. Click the **Add** button.
7. Click **OK** or **Apply** on the Link Properties window.
8. Click **Refresh** on the OneTouch Properties window.
9. Click **OK** or **Apply** on the OneTouch Properties window.

Image Documents Properties

These properties apply to image processing applications such as Microsoft Paint.



1. Click in the Color document handling settings boxes for the options you want.

These options will apply to all the applications in the group.

Convert Bitmaps using Screen Resolution—Use this option to ensure that an image will fit on the computer's screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

Convert Bitmaps to JPEG—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

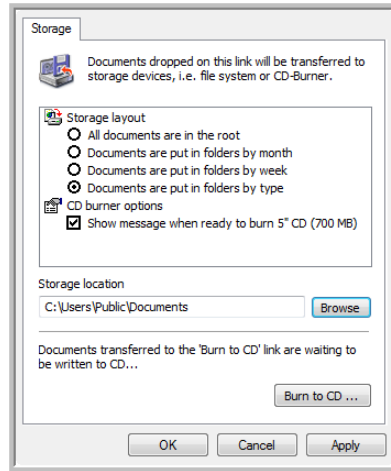
2. To add another application to the list, click the **Add Application** button.

See the steps on page 49 to add an application to the list.

3. Click **OK**.
4. Click **OK** or **Apply** on the Link Properties window.
5. Click **Refresh** on the OneTouch Properties window.

Storage Properties

These properties apply to the Destination Application named Transfer to Storage. If a CD burner is attached to your computer, you also use this dialog box to start the Burn to CD process. See the section “Scan and Burn to a CD” on page 58.



1. Click the Storage Layout options you want.

All documents are in the root—The scanned documents are saved in the root of the folder specified in the Storage Location.

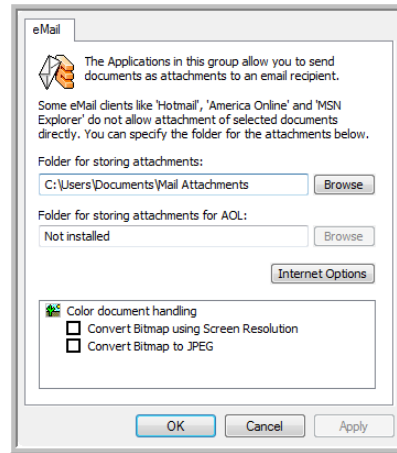
Documents are put into folders by month, week, or type—Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders. New folders are created for each month and week so you can keep track of when you scanned the documents.

2. Click the **Browse** button to specify the location to store the scanned documents.
3. Click **OK** on the Link Properties window.

eMail Properties

These properties apply to email applications so you can specify the folder for documents that you will attach to an email message. Microsoft Outlook® will accept direct attachment of documents to a blank email

message as soon as scanning is finished, but other email applications do not. If you're using one of those applications, such as America Online® (AOL), you need to know which folder contains the scanned documents so you can manually attach them to your email messages.



1. Click the **Browse** button for **Folder for storing attachments** and choose a folder for your email attachments.
2. If you are using AOL on your computer, and the folder name for AOL is incorrect, click the **Browse** button and find the correct AOL folder.

For scanned images to be auto-attached to a blank email message, you must have the specific folder location AOL uses to find the attachments. Please contact AOL for more information about the folder location in which AOL stores attachments.

3. If you need to change your email client, or any other internet options, click the **Internet Options** button.

The Windows Internet Options Control Panel opens. Click the Programs tab and choose a new email client from the Email list. These are the standard Windows Internet options. Please see your Windows documentation for more information about Internet options. If you are using AOL, please see the AOL user manual for making changes to the Internet options applicable to AOL.

4. Select the options for color document handling.

Convert Bitmaps using Screen Resolution—Use this option to ensure that an image will fit on the computer's screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

Convert Bitmaps to JPEG—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

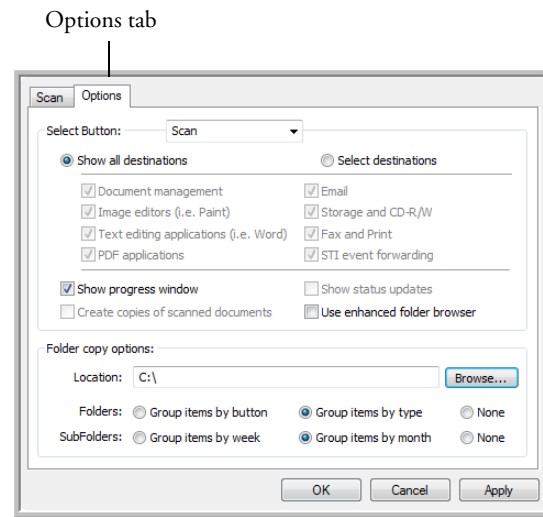
5. Click **OK**.
6. Click **OK** or **Apply** on the OneTouch Properties window.

SELECTING ONE TOUCH PROPERTIES OPTIONS

The OneTouch Properties Options determine the types of Destination Applications showing in the destination list. There are also settings for saving copies of files as they are scanned.

To select options:

1. Open the OneTouch Properties window and click the **Options** tab.



2. Select the Options you want.

Show All Destinations—Selecting this option activates all the Destination Application categories for the scan button, so that in the OneTouch Properties window all available destinations are seen under the Select Destination list.

Select Destinations—Select this option to individually choose the types of applications to include in the list of Destination Applications. Check the boxes for the type of application to include.

Destination Categories:

- **Document Management** includes PaperPort and other applications for processing and keeping track of your scanned documents.
 - **Image Editors** include Microsoft Paint and other drawing and graphics applications.
 - **Text Editors** include Microsoft Word and WordPad, Microsoft Excel, and other word processing and spreadsheet applications. Select this option if you want OCR processing to convert your scanned documents to text that you can edit. See “Scanning with Optical Character Recognition (OCR)” on page 45 for more about OCR.
 - **PDF applications** are for documents scanned to PDF format.
 - **Email** includes Microsoft Outlook and other email applications. See “eMail Properties” on page 52 for details about attaching scanned documents to your email messages.
 - **Storage and CD-R/W** is for either storing scanned documents in a folder, or sending them to a CD burner to create a CD containing the scanned documents. See “Transferring Scanned Documents to Storage” on page 61 and “Scan and Burn to a CD” on page 58 for details.
 - **Fax and Print** is for sending your scanned documents directly to your printer or fax software for faxing.
 - **Sti event forwarding** is for using another application's interface for scanning. The OneTouch Event Forwarding dialog box opens so you can select which application to use to continue scanning. See “Scanning with Event Forwarding” on page 59 for details.
3. The OneTouch Global Options are:
- **Show Progress Window**—Select this option to display the progress window of the document(s) during scanning.
 - **Use enhanced folder browser**—Select this option if you want to save your scans to a network location that is not a mapped drive on your computer.
 - **Create copies of scanned documents**—Sometimes the image of a scanned document is only saved as a temporary file until its Destination Application is finished using it. In those cases you may want an additional, permanent copy saved on your hard drive.

For instance, when you scan directly to an eMail application, the file is automatically attached a blank email message, but the file is not permanently saved to your computer. This would also occur if you scan to a printer or fax application. However, by selecting this **Create copies of scanned documents** option, you can choose to save permanent copies of the scanned items on your hard drive.

This option is not available if either the **Document Management** or **Storage and CD-R/W** options are selected because, by default, file copies for those types of Destination Applications are already automatically saved in a folder on your computer.

- **Folder Copy Options**—This section of the dialog box sets the location for copies of your scanned documents and how you want to group them.

Click the **Browse** button and find the folder for the copies. Select the grouping option for the documents. The Group by button option groups the documents under the name of the OneTouch button. Group by type arranges the scanned documents by the type of file, such as .rtf or .jpg. If you also want to group them by date you can choose the week and month options.

4. Click **OK** to save the options for the selected button.

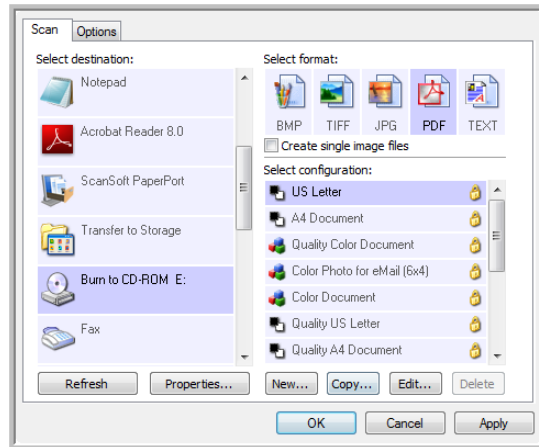
UNIQUE SCANNING FEATURES AND DESTINATIONS

The OneTouch software has unique scanning options available. You can scan directly to your computer's CD burner, HTML files and so on.

SCAN AND BURN TO A CD

If you have a CD burner attached to your computer, you can scan directly from your scanner onto a CD. This feature is available only on computers running Windows XP or Windows Vista

1. Open the OneTouch Properties window.
2. Select **Burn to CD** as the Destination Application.



3. Choose a File Format and a Scan Configuration.
4. Click **OK**.
5. Now press or click the scan button to start scanning.

When scanning is finished, a bubble message on the screen tells you that files are waiting to be burned to the CD.

6. Open the OneTouch window and click the **Properties** button.
7. Make sure a blank CD is in the CD burner.

8. Click the **Burn to CD** button.

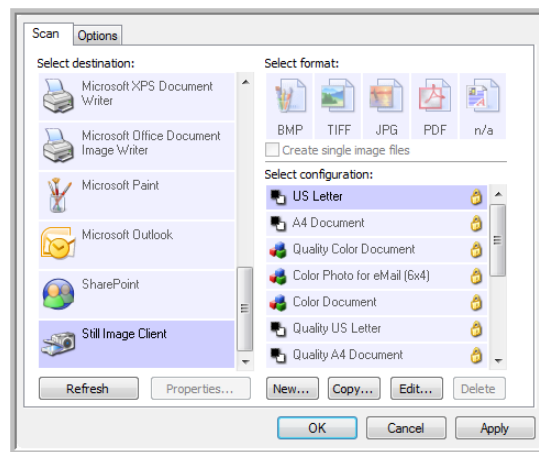
The CD burner begins and your scanned documents are written to the CD. If other files are also waiting in this location, they will get written with the OneTouch files on the CD.

SCANNING WITH EVENT FORWARDING

If you want to specify an application to use for scanning at the start of the process, you can use event forwarding.

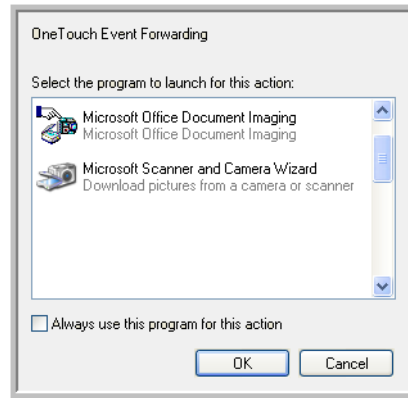
1. Open the OneTouch Properties window.
2. Select **Still Image Client** as the Destination Application.

You cannot choose a File Format for this option as the Destination Application is not selected until after starting the scanning batch.



3. Click **OK**.
4. Now press or click the scan button to start scanning.

A dialog box opens for you to select the application to use for scanning. Select the application in the box and click **OK**.

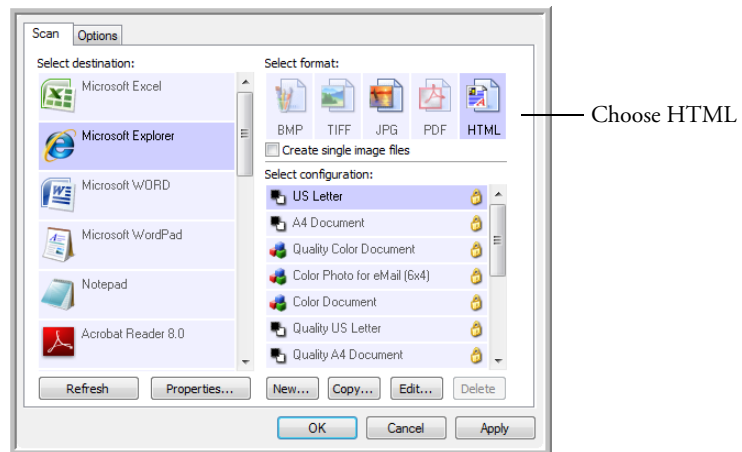


5. Now the application you selected opens and you can continue scanning using the application's TWAIN interface.

CREATING AN HTML WEB PAGE FROM YOUR SCANNED DOCUMENTS

You can convert scanned pages to HTML format for posting directly to your web site. Those pages are then viewable by visitors to your web site without the need for any internet plug-ins or other special processing.

1. Open the OneTouch Properties window.
2. Select **Microsoft Explorer** as the Destination Application.
3. Choose **HTML** as the File Format.

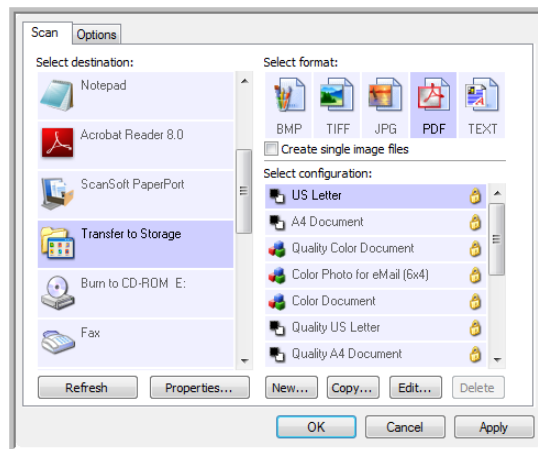


4. Choose a Scan Configuration that has the settings for the image on the HTML page.
5. Click **OK**.
6. Now press or click the scan button to start scanning.
7. When scanning is finished, the document is first converted to editable text using the OCR process, then is converted into an HTML format. Microsoft Internet Explorer then opens showing your converted page.
8. Choose **Save As** from the Internet Explorer **File** menu, give the page a name, and save it in the location you use for your web page files.
9. You can now use Microsoft Internet Explorer or other application to post the document to your web page as you would any other HTML page.

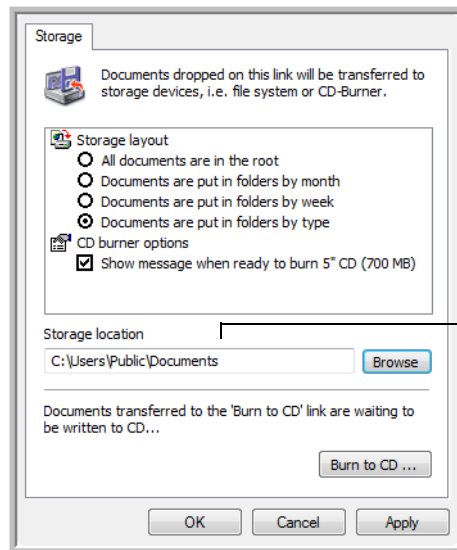
TRANSFERRING SCANNED DOCUMENTS TO STORAGE

With the Transfer to Storage scanning process, you can scan documents and save them in a folder in one step. The process is ideal for archiving documents without having to manually save or process them in any other way.

1. Open the OneTouch Properties window.
2. Select **Transfer to Storage** as the Destination Application.
3. Choose a File Format and Scan Configuration.



4. Click on **OK** to save the changes and close the window.
5. Now press or click the scan button to start scanning.
6. The documents are scanned and stored in the location specified on the OneTouch 4.0 Link Properties window.



Your scanned documents will be stored at the location you specified on the One-Touch 4.0 Link Properties window.

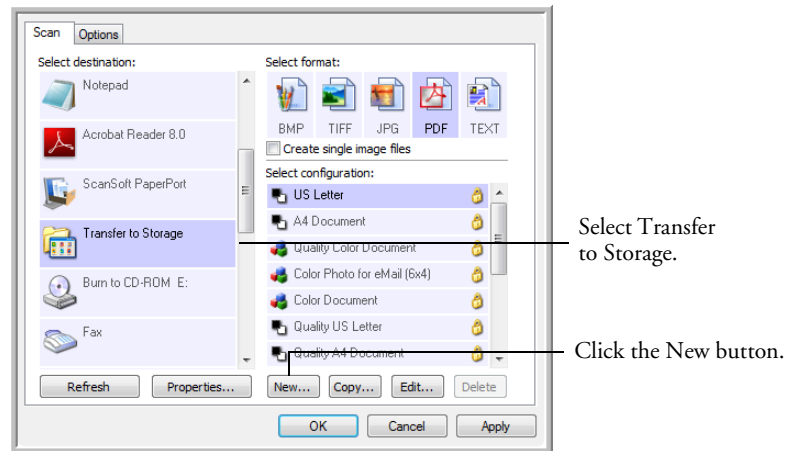
SCANNING TO MULTIPLE FOLDERS

When archiving documents with the Transfer to Storage option, you can scan them to multiple folders. For example, one folder might be for “Business Receipts,” a second folder might be for “Personal Receipts,” and a third folder might be for “Annual Receipts.”

To scan to multiple folders, you create multiple Scan Configurations, each with a different storage location for the scanned documents. Scan one set of documents using the Scan Configuration with the appropriate storage location for that set. Then switch to another Scan Configuration and scan the next set of documents to store them in their folder.

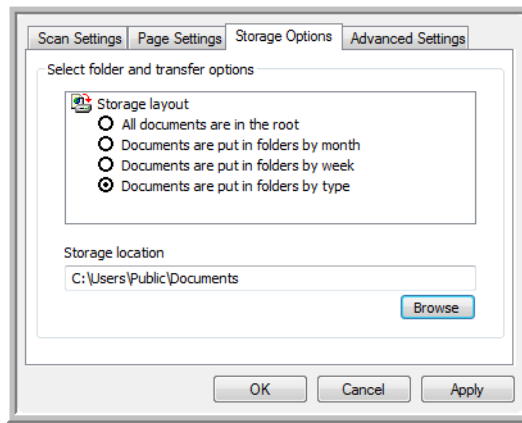
Setting up multiple folders for transfer to storage:

1. Using Microsoft Windows, create the folders that you want to use for storing scanned items.
2. Open the OneTouch Properties window.
3. Select **Transfer to Storage** as the Destination Application.
4. Click the **New** button

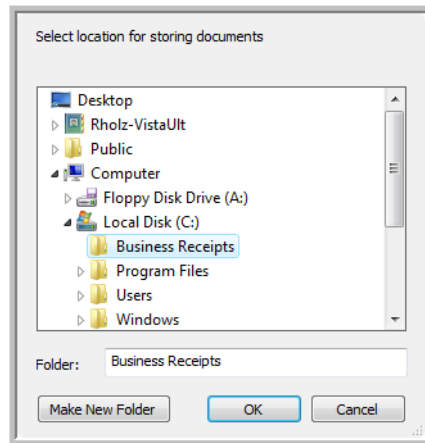


5. To help you remember which folder it is, give the new configuration a name that indicates the folder name, such as “Business Receipts.”
6. Click the **Scan Settings**, **Page Settings**, and **Advanced Settings** tabs, and select the settings you want.

7. Click the **Storage Options** tab.

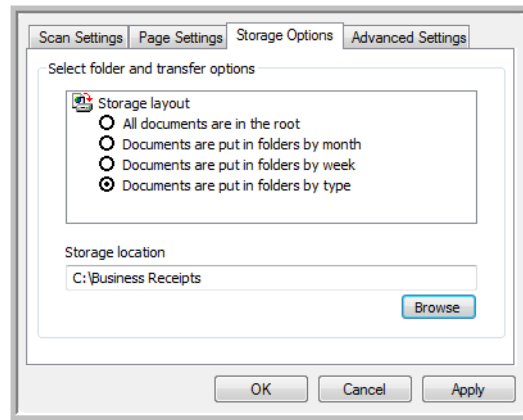


8. Click the **Browse** button.
9. Select the folder you created for storing the scanned documents.

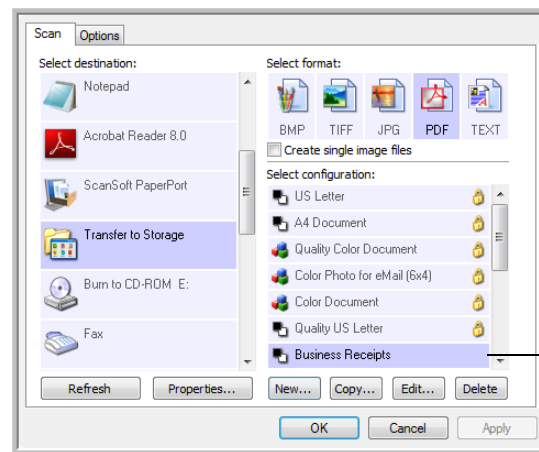


If you haven't created the folder yet, you can click the **Make New Folder** button and type the name for the new folder.

10. Click **OK**. The selected folder will now be set as the Storage Location, such as “Business Receipts.”



11. Click **OK**. The new configuration is now listed as a Transfer to Storage configuration.
12. Repeat the process to create additional new configurations, such as one named “Personal Receipts.”
13. You will now have multiple configurations set up for the Transfer to Storage destination, and each configuration scans documents to separate folders.



The new configurations apply to the Transfer to Storage Destination Application.

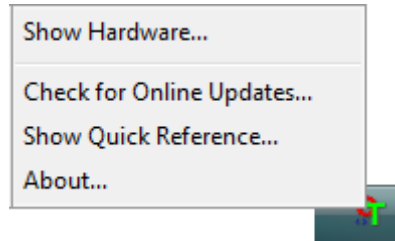
Scan to multiple storage folders:

1. Place the first set of documents *face down*, with their tops pointed into the scanner.
2. Open the OneTouch Properties window.
3. Select a configuration you created for storage and click **OK**.
4. Now press or click the scan button to start scanning.
5. When scanning is finished, insert the next set of documents in the scanner.
6. Open the OneTouch Properties window.
7. Select a different configuration you created for storage and click **OK**.
8. Now press or click the scan button to start scanning.

When scanning is finished, the documents are stored in the two separate folders.

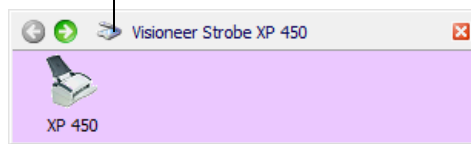
CHECKING THE HARDWARE AND LAMP SETTINGS

1. Right-click on the OneTouch icon and choose **Show Hardware** from the pop-up menu.

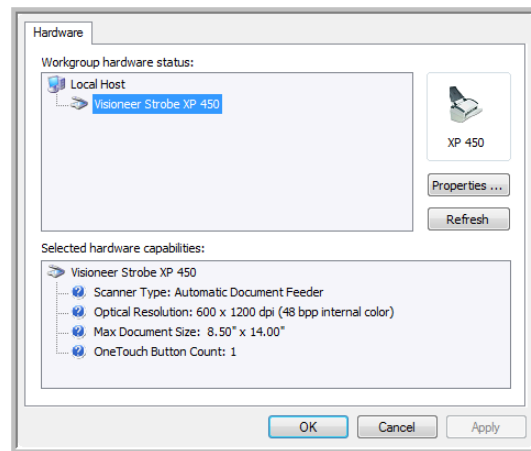


You can also click the Hardware icon at the top of the OneTouch Button Panel, or right-click on the Strobe XP 450 icon when the OneTouch button panel is in the Hardware View.

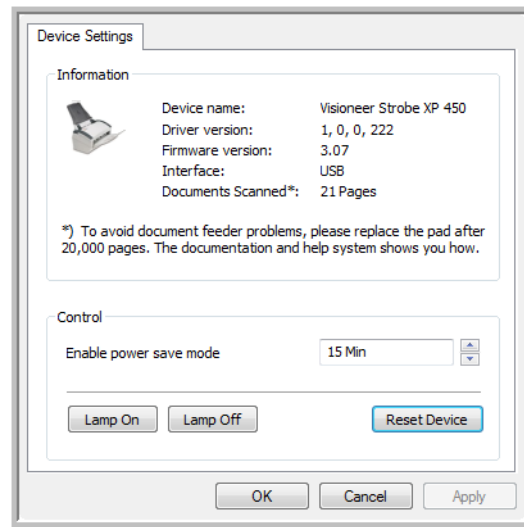
The Hardware icon



The Hardware Properties dialog box opens and shows information about your Visioneer Strobe XP 450 scanner.



2. Click the **Properties** button.



Your scanner has a built-in power saving feature that is set to power down after 15 minutes of idle time. You can change the time before the scanner powers down, from 1 minute to a maximum of 3 hours.

3. Click the arrows for the Lamp time-out setting and choose a time setting.

To turn the lamp on and off manually without turning off power to the scanner, click the **Lamp On** or **Lamp Off** buttons.

To return the scanner to its factory settings, click **Reset Device**.

4. Click **OK** to save the changes and close the dialog box.

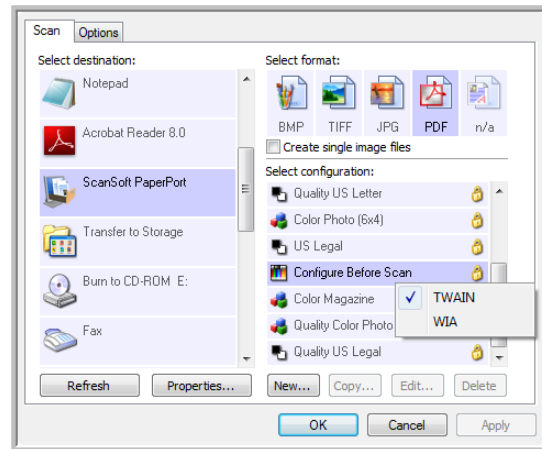
Scanning from TWAIN

You can scan from any TWAIN scanning application instead of scanning from the OneTouch button on your scanner or the OneTouch button panel. Please refer to the software user's guide, for the application that you are using, for steps to open the TWAIN interface. You can also access the TWAIN interface when you're scanning from the OneTouch software, as described in this section.

A Note About Your Scanner and the TWAIN standard: TWAIN is a widely recognized standard that software applications use to receive images from scanners and digital cameras. The TWAIN interface is often the same regardless of the software you use to open it. However, some applications do have their own TWAIN interface. You can use the instructions in this *User's Guide* for scanning with your Visioneer Strobe XP 450 scanner. If you access the TWAIN interface from an application and do not see the interface described in this section, you will need to refer to that application's user guide.

ACCESSING THE TWAIN INTERFACE FROM ONETOUCH

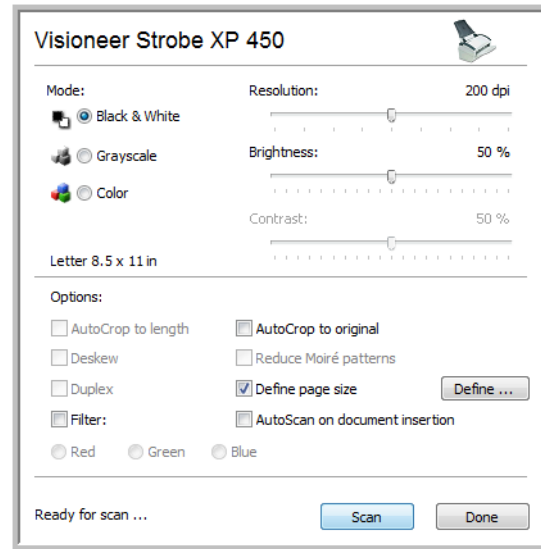
1. Open the OneTouch Properties window.
2. Select a Destination Application, such as ScanSoft PaperPort.
3. Select **Configure Before Scan**, then right-click on Configure Before Scan and select TWAIN from the menu.



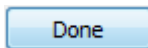
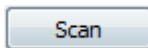
4. Click on **OK**.
5. Click on the **Scan** button.
6. The TWAIN interface will now open.

SCANNING WITH THE TWAIN INTERFACE

The TWAIN Interface is available from many applications, such as Microsoft Word and Paint, as well as from the PaperPort.



1. Select the options you want from the TWAIN interface, then load the documents *face down* with their tops into the Automatic Document Feeder.
2. Click the **Scan** button (if the AutoScan feature is not turned on).
The scanner starts scanning and a progress box opens.
3. Click **Done** when you are finished scanning to close the TWAIN interface.



The image will now be in the scanning application you are using.

THE TWAIN INTERFACE OPTIONS

Mode—Select a scanning mode:

Black&White to scan in black and white. Use this setting for letters, memos, and other black and white material. This scan mode produces the smallest file size.

Grayscale to scan items such as documents containing drawings or black and white photographs. The scanning produces an image of up to 256 shades of gray. You can also scan a color document to turn its colors into gray shades. The file size is about one third that of a color scan.

Color to scan magazine articles, photographs, and other color images in full color. Color scans have the largest file size.

Resolution—The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

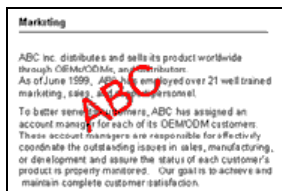
Brightness—Increasing or decreasing the Brightness makes the scanned image lighter or darker.

Contrast—Contrast refers to the difference between the lighter and darker portions of the image. Increasing the contrast emphasizes the difference between the lighter and darker portions, decreasing the contrast de-emphasizes that difference. Contrast is not available for Black & White scanning.

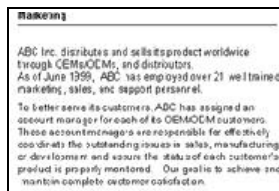
AutoCrop to Original—Select this option to let the scanner automatically determine the size of the item being scanned. Always make sure the paper guides are against the edge of the paper in the input tray. This helps to prevent the paper from being fed through at an angle (skewed). Skewed pages may not crop properly.

Filter—The Filter is the ability of your scanner to automatically remove a color from a scanned item. The Filter option applies to Black&White or Grayscale Mode.

The original with a red watermark over black text.

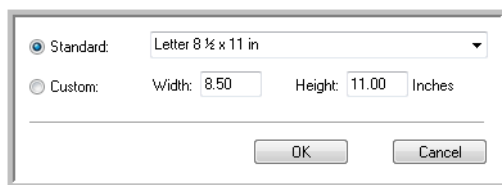


The scanned item with the red filtered out.



Reduce Moiré Patterns—Moiré patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moiré Patterns** will limit or eliminate moiré patterns in the scanned image. This option is only available for the Grayscale or Color Mode at lower resolutions.

Define page size—Click this option to activate the **Define** button. Click the **Define** button to see the **Define page size** dialog. In this window you can enter the page dimensions of the documents being scanned



- **Standard**—click the menu arrow and choose a page size from the list.
- **Custom**—enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters.

The Define page size option cannot be used with the **AutoCrop to original** option.

Click **OK** when you are done making changes for this setting.

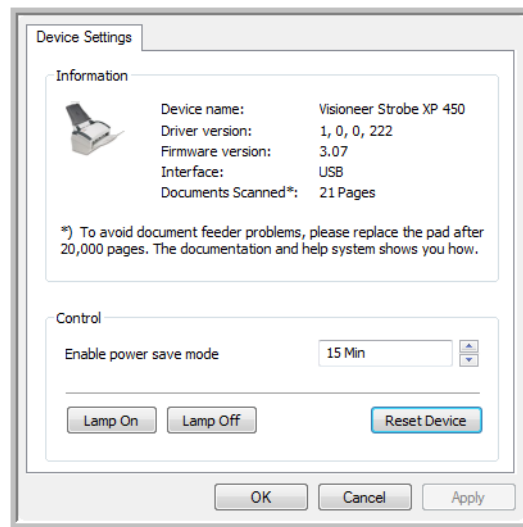
AutoScan on document insertion—Your Visioneer Strobe XP 450 scanner includes AutoLaunch technology that senses when an item is inserted into the paper feed and starts scanning immediately. The item is scanned with the current settings on the TWAIN interface. If this option is not selected, the scanner waits for you to click the **Scan** button.

DISPLAY THE DEVICE SETTINGS



1. Click the **Visioneer Strobe XP 450** icon in the top right corner of the TWAIN interface.
2. The device configuration window opens and shows the Device Settings information about your scanner.

See the section “Checking the Hardware and Lamp Settings” on page 67 for more information about the device settings.



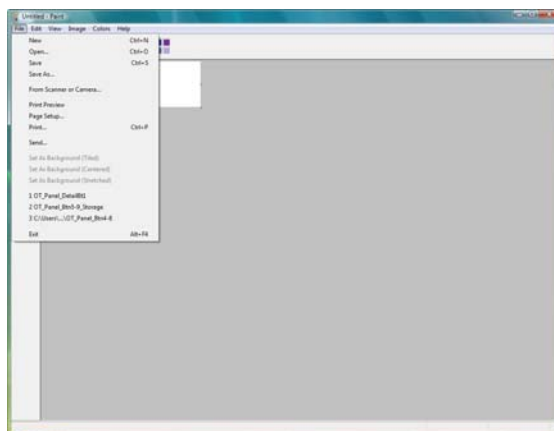
Scanning from WIA

Microsoft Windows XP and Windows Vista include their own scanning interface—known as Windows Image Acquisition (WIA)—for acquiring images from scanners, digital cameras, and other digital devices.

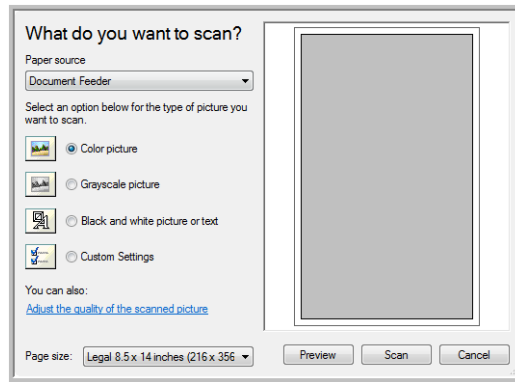
This section shows how to use Microsoft Paint to scan using the WIA interface. Please refer to your Windows documentation for full instructions on using the WIA interface.

To scan using WIA from Microsoft Paint:

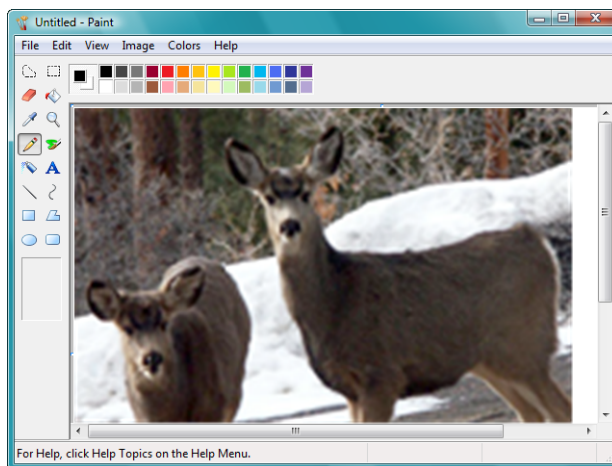
1. On the Windows taskbar, click **Start**, point to **All Programs**, point to **Accessories**, and then click **Paint**.
2. From the **File** menu choose **From Scanner or Camera**.



3. The WIA scanning window opens. Use this window to select scanning options and start the scanner.



4. Click the button most appropriate for the item you're scanning.
5. Select a paper size from the Page Size list.
6. Adjust the image settings as desired:
 - Change the button selection for the type of image.
 - Change the size of the scanned image.
7. Click on the **Scan** button in the WIA interface.
8. The scanned image will appear in Microsoft Paint (or other WIA application you're using).



Scanning from ISIS

You can use the ISIS interface from QuickScan™ or any other application that will access the ISIS driver. The QuickScan Demo software was provided with your scanner.

Note that the ISIS interface for each application varies depending on the application. Please refer to that software application's User Guide for instructions on scanning the ISIS interface. The QuickScan User's Guide is available on the installation disc that you received with the scanner.

ACCESSING THE ISIS INTERFACE FROM QUICKSCAN

Open the QuickScan software to access the ISIS driver scanning options. Please note that you may see the following warning message:



1. Please disregard the message and click Continue.
The ISIS drivers were installed correctly during the installation of your scanner.
2. The Scanner Selection dialog box will then appear.
Select Visioneer Strobe XP 450 from the list of scanners and click OK.
3. QuickScan is now ready to scan using your scanner.

Maintenance

This section contains information on maintenance, troubleshooting, uninstalling, scanner specifications, and spare parts.

CLEARING PAPER JAMS

To clear a paper jam:

1. Press the ADF cover release on the top left of the scanner body to open the Automatic Document Feeder cover.
2. Remove the jammed paper and close the cover.

To reduce the number of paper jams, smooth and straighten the paper before scanning and adjust the guides to the paper size, and insert the paper evenly into the ADF.

CLEAN THE AUTOMATIC DOCUMENT FEEDER

You may need to clean the ADF feed mechanism if your documents do not feed easily into the ADF, or several feed in at the same time.

To clean the ADF:

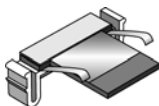
1. Wet a soft cloth with some isopropyl rubbing alcohol (95%).
2. Press the ADF cover release on the top left of the scanner body to open the Automatic Document Feeder cover.
3. Wipe the feed roller from side to side. Rotate the roller to clean its entire surface.

Note: Please be careful when cleaning the roller. The roller is designed to rotate in one direction only. As you're cleaning the roller, make sure it rotates easily, and continue rotating it in that direction while wiping it clean. Do NOT force the roller to rotate in the opposite direction. Forcing the roller to rotate will damage it, and may cause the scanner to feed pages incorrectly.

4. Wipe the ADF pad from top to bottom. Be careful not to snag the cloth on the springs on either side of the pad.
5. Close the cover when you're finished.

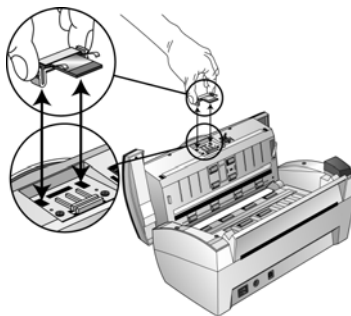
REPLACE THE ADF PAD ASSEMBLY

The ADF pad will wear out and is designed to be a user-replaceable part. Problems with documents feeding into the ADF is an indication that the pad is wearing thin.



You received a replacement pad in the original scanner box, and you can also order a new one. See the "Visioneer Strobe XP 450 Scanner Parts List" on page 86 for ordering information.

1. Press the ADF cover release on the top left of the scanner body to open the Automatic Document Feeder cover.
2. The ADF pad is located in the top of the scanner.
3. Squeeze the plastic clamps that hold the pad assembly in place and lift the pad up and out.
4. Reverse the procedure to replace the new pad into its slots.



5. Close the cover when you're finished.

TROUBLESHOOTING

In addition to the troubleshooting information contained in this section, please see the Readme file on your Installation Disc. The Readme file contains additional information that may help you diagnose problems with the scanner.

If you try the troubleshooting procedures described in this section and in the Readme file, and the scanner still has problems, visit our web site at www.visioneer.com for additional technical information.

Problem: The scanner won't scan. What's wrong?

Check for one of these possible causes:

- **Are the cables loose or not plugged in securely?** Inspect the cable connections. Make sure the cables are plugged in securely.
- **Is the scanner's status light on?** Turn on the scanner's power. If the status light doesn't come on, plug the power supply into another electrical outlet.
- **Did you restart the computer after installing the software?** If you didn't restart the computer, it may not have loaded all of the software files. Try restarting your computer.
- **Did you plug the scanner into a USB hub?** If you're using a USB hub to connect the scanner, the hub must have its own power supply. Try plugging the scanner directly into the back of the computer.
- **Did you select another TWAIN source for acquiring images?** If you use multiple TWAIN devices with your computer, such as a digital camera or another scanner, the application may have the other device selected.

Problem: During installation I got the error message: PaperPort Installation is not complete. What do I do?

The installation procedure was not successful. You need to reinstall the PaperPort software.

Problem: The installation will not complete successfully. If installation finishes, the scanner's OneTouch 4.0 options do not seem to work properly. What do I do?

A likely cause is that some driver programs are already installed on your computer for another scanner. Or you previously had another Visioneer scanner and that driver program is still on your computer. They are interfering with the installation of the OneTouch options, and you need to remove those other drivers and re-install your Visioneer Strobe XP 450 scanner. Please see the documentation that you received with the other scanner for the steps to remove its driver programs. You can also use the basic steps in the section "Uninstall Your Scanner" on page 84, but instead of uninstalling OneTouch 4.0, uninstall the other scanner's driver programs. After uninstalling the other scanner's driver programs, uninstall OneTouch 4.0 using the steps on page 84 then reinstall it.

Problem: With AutoCrop to Original selected, sometimes I get blank pages, or pages with lines. What's wrong?

The pages were probably scanned in crooked, or skewed. To use AutoCrop to Original, the pages must be scanned in straight. Adjust the paper guides on the scanner so pages feed in straight.

Problem: The paper jams the ADF. How can I keep the paper from jamming so often?

To reduce the number of paper jams, smooth and straighten the paper before scanning, and adjust the guides to the paper size. Paper fed into the ADF at an angle can cause the feed mechanism to jam. If paper jams are occurring more frequently, try cleaning the roller with a soft cloth dampened with Isopropyl rubbing alcohol. See "Clean the Automatic Document Feeder" on page 78 for cleaning instructions.

Problem: The ADF won't feed pages properly. How can I fix it?

A dirty or worn ADF pad assembly or dirt on the roller can cause documents to feed in skewed at an angle, or multiple pages to feed at the same time. Try cleaning the roller first. See "Clean the Automatic Document Feeder" on page 78. If that doesn't solve the problem, the pad assembly may need to be replaced. It is user-replaceable and one additional ADF pad was in the box with your scanner. See "Replace the ADF Pad

Assembly” on page 79 for the steps to replace the pad. See “Visioneer Strobe XP 450 Scanner Parts List” on page 86 for the ordering additional ADF pads.

Problem: If the USB cable is disconnected during a scan, the scanner does not reconnect when the USB cable is plugged back in.

Turn off the scanner power then turn it back on again.

If the scanner does not reconnect:

1. Turn off the scanner power.
2. Restart your computer.
3. After the restart is complete, turn the scanner power back on.

STATUS LIGHT TROUBLESHOOTING CODES

A green status light indicates the normal state of the scanner.

Normal Operation

- **Blinking green:** indicates the scanner is waking up from power saving and preparing to scan.
- **Steady green:** indicates the scanner is receiving power and ready to scan.

Error Codes

If your scanner experiences hardware problems, the status light will blink red. It will flash in a numerical sequence, pause, then repeat the same number of flashes. The number of times the light blinks indicates the error code number.

The red light flashes the number of times as the error code.



The table below describes the error codes. In all cases you should check the cable connections. If you are using a USB hub, try plugging the USB cable directly to the back of the computer. If you are using a power strip, try plugging the power supply directly to a wall outlet.

Error Code	Problem Description	Solution
Steady red light	The scanner is not communicating with the computer.	Make sure the USB cable is plugged in. If the USB cable is plugged into a hub, try plugging it directly into the back of the computer. Try a different USB port on the computer or a different USB cable. The USB cable should not be longer than 6 feet.
4	The scanner lamp is either turned off or the lamp has not warmed up enough to initiate scanning.	In the OneTouch hardware properties, turn the scanner lamp on. See page 68 for instructions. If the lamp is already on, turn the lamp off then on again. If the problem persists and your scanner's power is plugged into a surge protector or UPS battery backup, try plugging the scanner power directly into a wall outlet.
5	The scanner is open.	Make sure the scanner is fully closed after performing maintenance on the scanner or removing a jammed page.
6	The lamp in the scanner body of the scanner has malfunctioned.	Make sure that the lamp has not been turned off manually. See the steps on page 68 to turn the lamp on and off. Turn the scanner power off then on again after checking the settings.
9	Paper jam	Open the ADF and remove the jammed page. See "Clearing Paper Jams" on page 78 for details.
15	Input tray empty	The paper sensor is being triggered but the rollers are not able to grab the page. Take the paper out of the input tray, then put the pages back in. Make sure the paper is far enough in for the rollers to grab the paper.
All Codes and codes not specified in this table	An internal part in the scanner may have malfunctioned.	<p>If the problems persist, try turning off the scanner, restarting the computer, then turn the scanner power on after you have logged back into Windows.</p> <p>If you are still unable to use your scanner, contact Visioneer Technical Support. Please refer to the technical support card you received with your scanner for contact information.</p>

UNINSTALL YOUR SCANNER

To uninstall the Visioneer Strobe XP 450 scanner, remove the OneTouch 4.0 software, PaperPort, and any other software provided with your scanner. Follow the steps in the section “Step 2: Install the Software” on page 8 to reinstall the scanner driver and software.

UNINSTALLING THE SCANNER AND ONETOUCH SOFTWARE

1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. *Windows 2000 and Windows XP:* Double-click the **Add or Remove Programs** icon.
Windows Vista: Double-click the **Programs and Features** icon.
3. From the list of programs, select **OneTouch 4.0**. Click the **Change/Remove** button.
4. Click **Yes** when asked to confirm that you want to remove these software programs.
5. Follow the same steps to select and remove the **Kofax VirtualReScan** module from the installed programs list.
6. The OneTouch 4.0 software and module are now removed from your computer.
7. **Unplug the USB cable from the scanner and turn off the scanner power.**
8. Close all open windows and restart your computer.

UNINSTALLING THE PAPERPORT SOFTWARE







1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. *Windows 2000 and Windows XP:* Double-click the **Add or Remove Programs** icon.
Windows Vista: Double-click the **Programs and Features** icon.
3. Select **PaperPort** and click **Remove** or **Uninstall**.
4. A message window opens, asking if you are sure you want to remove PaperPort from your computer. Click **Yes**.
5. Close all open windows and restart your computer.

VISIONEER STROBE XP 450 SCANNER SPECIFICATIONS

Optical resolution	600 dpi
Bit depth	24-bit color, 8-bit grayscale, 1-bit bitonal (black & white)
Scan method	Automatic document feeder (ADF)
ADF specifications	
Scanning Speed	Up to 20 pages per minute @ 200 dpi black & white
Capacity	50 sheets
Paper Thickness	16 - 28 lbs. (0.002" - 0.006")
Maximum page size	8.5" x 14"
Minimum page size	3.5" x 2"
Light source	Cold cathode fluorescent lamp
Interface	USB 2.0 High Speed
Drivers	TWAIN, ISIS, WIA
Bundled Software	Nuance PaperPort®
	Captiva QuickScan™
Supported Microsoft Operating Systems	- Windows 2000 Service Pack 4 - 32-bit Windows XP Service Pack 2 - 32-bit or 64-bit Windows Vista
Scanner dimensions	
Width	13 inches
Depth	6.5 inches
Height	6.38 inches
Weight	8.13 pounds
Operating temperature	50°–104° F (5°–35° C without condensation)
Relative humidity	40%–70% (@35° C without condensation)
Power adaptor	DC Jack, 24Vdc/2.0A (48W), 100-240Vac, Energy Star and RoHS compliant
Scanner Rating	24Vdc, 1.5A
Power consumption	≤ 40 Watts (during operation); ≤ 25 Watts (on standby); ≤ 6 Watts (power save after 15 minutes without scanning, can be adjusted by software); ≤ 1 Watt (power off)
Power cord	AC, US, 3P, 10A/125V, 180 cm, 3C, 18AWG, RoHS compliant
USB cable	185 cm, 28AWG, with core, RoHS compliant
Safety and agency certifications	UL, C-UL, FCC Class B, WEEE, RoHS, CE, TUV/GS

VISIONEER STROBE XP 450 SCANNER PARTS LIST

Please use the following part names and numbers when ordering replacements for your scanner.

	Part Name	Part Number
	Input Tray	57-0101-000
	Output Tray	57-0102-000
	ADF Pad	57-0103-000
	USB Cable	35-0107-000
	AC Power Cord	35-0103-000
	Power Supply	37-0076-000

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